



CALCULUS DIFFERENTIALS

CALLISPAUS DRACONOIDES

CALLISAURUS DRACONOIDES

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
11	004	11	096	1120	0	91858	013	29	80	01		888	0031	0028								
11	005	11	102	1125	0	91858	013	29	80	01		888	0016	0016								
11	006	11	095	1115	0	91858	013	29	80	01		888	0032	0014								
11	008	11	089	1210	0	91858	013	29	80	01		888	0020	0016								
11	009	11	094	1215	0	91858	013	29	80	01		888	0033	0032								
11	012	12	061	1618	0	91958	003	29	80	08		888	0001	0001								
11	013	11	080	1138	0	31359	007	14	00	02		888	0006	0008	90	93.7						
11	014	12	053	1209	0	31359	007	14	00	02		888	0001	0001	00	43.6						
11	015	12	052	1330	0	31359	007	14	00	02		888	0001	0001	00	49.8						
11	017	12	054	040159	058	21	50	02				888	0001	0001	00	42.9						

Species No.
Animal No.
Sex
Age
S-V length
Time
Date
Locality
Elevation
Habitat
Temperature
Breeding Color
Sperm
Epithelium
Left testis
Volume
Rt. testis
Volume
Condition
Sem. tubule
diameter
Sem. epithelium
height
Interstitial cell
nuclear diam.
Epith. epith.
height
Sertoli cells

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CALISAURUS DRACONOIDES

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
11	018	13044					040159	05821	5002			888	888	0001	0001	0001	00387	76.7	64	1.5		1	
11	019	12047					040159	05821	5002			888	888	0001	0001								
11	020	11077					042559	00203	0002			888	888	0042	00387	176.7	64	1.5				1	
11	021	12069					042559	00203	0002			888	888	0001	0001	60	48.5					1	
11	026	12067					052359	00203	0001			888	888	0001	0001								
11	027	11080					052259	00744	0001			888	888	0030	00296	137.6	04	5.2				1	
11	033	12064					072159	00719	5001			888	888	0002	0002	00	56.8					1	
11	034	12059					072159	00719	5001			888	888	0001	0001	00	40.7					1	
11	036	12064					072959	01439	0005			888	888	0002	0002	00	62.0					1	
11	037	11074					062659	00205	0002			888	888	0012	0011								

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11	042	1	1	081	1130	081959	002	03	00	02	4	09	8	11	0073	0059	7	190.7	04	3.7				1
11	045	1	1	071	1330	081959	003	03	00	01	4	16	8	11	0104	0077	7	218.5	05	1.5				1
11	047	1	2	069	1255	082059	007	15	00	01	4	04	8	11	0017	0021	6	110.9	02	4.1				1
11	049	1	2	051	0750	083159	004	05	50	01	4	01	8	22	0001	0001								
11	050	1	1	077	0850	083159	004	05	50	01	4	23	8	11	0013	0013	7	122.8	03	4.7				1
11	052	1	1	071	1150	091159	007	19	50	01	3	96	8	22	0003	0003	8	065.3						1
11	053	1	2	063	1218	091159	007	19	50	01	3	85	8	22	0002	0003	0	066.0						1
11	055	1	1	085	1507	091159	007	14	00	01	3	85	8	22	0008	0008	8	068.6						1
11	056	1	2	052	1140	024459	007	14	00	01	4	10	8	22	0001	0001	0	038.9						1
11	058	1	1	076	1435	024459	007	14	50	01	4	04	8	22	0007	0007	9	081.5						1

(E1)

(E3)

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CALLISAURUS DRACONOIDES

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	071	1	1	085		42460	010				311	0235	0.52	62	14.8	05	9.1			1	
11	072	1	1	080		42160	067	16	00	013	38	11	0158	0.85	62	52.1	075.4			39.6	1
11	066	1	2	069		41260	016	12	01	013	38	11	0028	0.129	60					36.3	1
11	065	1	1	084		42160	082	42	00	053	81	36	0542	0.030	9	150.5					1
11	064	1	1	085		42160	032	42	00	054	08	12	0024	0.020	2	115.5	031.2				1
11	063	1	1	074		42060	037	26	25	12	3	40	0024	0.034	21	44.5	046.9				1
11	062	1	2	060		41060	004	11	00	013	36	12	0012	0.001	0	052.5					1
11	061	1	2	063		41060	004	11	00	01			0017	0.001							1
11	060	1	1	081		42458	007	14	50	013	34	12	0008	0.009	8	081.8					1
11	059	1	2	081		42458	007	14	50	013	34	12	0002	0.002	3	90	61.7				1

(E4)

(E3)

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CALLISAURUS DRACONOIDES

[illegible]

CALLISAURUS DRACONOIDES

[illegible]

CALLISAURUS DRACONOIDES

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
125	1125	11085	1	1085	0925	81060	0074	0101				5/1		0047	0047	0048	71	84.1	03.4		26.4	(E4)
11	123	11084	1	1084	1125	81060	0012	0001				5/1		0057	0057	0048						
11	122	11082	1	1082	1335	81060	0172	0001				5/1		0063	0063	0065	61	92.7	03.9		36.3	(E3)
11	120	11080	1	1080	1320	80860	0489	50	014	30.5		5/1		0004	0004	0004	61	99.3	05.4		23.1	(E3)
11	119	11086	1	2086	1325	80960	0572	20	0001			5/1		0023	0023	0025	61	49.8	03.8		13.2	(E3)
11	118	112058																				
11	116	11014					27760	01324	00			5/1		0012	0012	0013	61	73.5	04.3		26.4	(E2)
11	115	11017					71760	01328	00	01		5/1		0015	0015	0013	71	49.8	02.8		23.1	(E3)
11	101	11070				0650	72760	00405	60	013	76.8	1		0015	0015	0013	61	35.9	0.1	1.0		1
11	100	11078					71760	01328	00	01		5/1		0015	0015	0013	61	35.9	0.1	1.0		1

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12	3-5	6	7	8-10	11-14	15	-	20	21-23	24	27-29	30-32	33-34	35	36	37-39	40-43	44-45	46-49	49	50-53	54-55	56-59
11	126	11	056	12	45	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	149.2	030.4		29.7	(E3)	
11	127	12	077	12	077	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	124.7	019.8		29.7	(E3)	
11	130	11	032	10	60	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	124.7	019.8		29.7	(E2)	
11	131	11	073	10	60	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E2)	
11	132	13	065	10	60	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	
11	133	11	015	11	30	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	
11	134	11	078	10	55	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	
11	135	11	030	12	15	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	
11	136	12	055	10	00	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	
11	137	11	037	10	00	0	07660	00730	00014	15	31	00077	00077	00077	00077	00077	7	12.2	021.8		19.8	(E1)	

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111431	12004					1966	013	28	0001		822	0001	0.001	0.001	0.001	0.093.3					1	
111432	11085					1966	013	25	0001		822	0033	0.004	0.025	1	169.3	0.5	6.8			1	
111433	11083					1966	013	25	0001		822	0007	0.007	0.007							30.3	(E4)
111434	11083					1966	013	25	0001		822	0005	0.005	0.006	80	78.9					1	
111435	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111436	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111437	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111438	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111439	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111440	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111441	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111442	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111443	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111444	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111445	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111446	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111447	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111448	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111449	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111450	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111451	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111452	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111453	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111454	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111455	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111456	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111457	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111458	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111459	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111460	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111461	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111462	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111463	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111464	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111465	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111466	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111467	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111468	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111469	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111470	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111471	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111472	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111473	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111474	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111475	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111476	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111477	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111478	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111479	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111480	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111481	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111482	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111483	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111484	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111485	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111486	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111487	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111488	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111489	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111490	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111491	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111492	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111493	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111494	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111495	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111496	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111497	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111498	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111499	12046					1966	013	21	0001		822	0001	0.001	0.001							1	
111500	12046					1966	013	21	0001		822	0001	0.001	0.0								

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11/180	11/013					050562	013	27	0101		311	011	0050	0150	0154						
11/179	11/013					050562	013	27	0101		311	011	0009	0013	90	81.8					1
11/178	11/013					050562	013	27	0101		311	011	0191	0143	102	02.4	04	7.5			1
11/177	11/013					050562	013	27	0101		311	011	0105	0102	102	192.7	03	9.6		33.0	1 (E2)
11/176	11/013					050562	013	27	0101		311	011	0108	0176	162	14.8	04	5.2			1
11/175	11/013					050562	013	27	0101		311	011	0206	0251	162	20.0	04	7.3		29.7	2 (E3)
11/174	11/013					050562	013	27	0101		311	011	0131	0230	162	15.8	04	6.3			1
11/168	11/013					050562	013	27	0101		311	011	0101	0176	162	20.3	04	6.9		33.0	2 (E3)
11/167	11/013					050562	013	27	0101		311	011	0173	0148	162	215.5	04	3.6			1
11/164	11/013					050562	013	27	0101		311	011	0109	0109	162	91.7					1

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12	3-5	67	8-16	11-14	15	20	21-23	24	27	28-29	30-32	33	34	35	36	39	41	44	45	49	49	52	53-55	57-58	59
11	181	11081					050562	013	27	0101		311	0172	0120	6	1	97.3	04	5.9			17.8	1		
11	184	11082					050662	007	4	00	01	353	0047	0005	7	1	141.9	03	8.0			19.8	1		
11	185	11083					050662	007	4	00	01	421	0047	0005	6	1	154.4	03	8.7				1		
11	187	11084					050662	007	4	00	01	422	0112	0002	0	0	56.1						1		
11	188	11085					050662	007	4	00	01	322	0011	0001	3										
11	189	11086					050662	007	4	00	01	322	0115	0016	9	1	14.8						1		
11	193	11087					050662	007	4	00	01	311	0033	0033	6	1	97.8	04	0.9				1		
11	194	11088					050662	003	03	00	01	311	0069	0011	7	1	98.1	04	5.1			42.9	1		
11	195	11089					050662	004	04	01	04	363	0027	0020	8	1	64.3						1		
11	197	11090					050662	007	4	00	01	363	0030	0041	7	1	35.6	03	7.4				1		

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12	3-5	6	7	8-10	11 - 14	15 - 20	21-23	24 - 27	1829 - 32	33-37	35-36	37-39	40 - 42	43-45	46-49	50-52	53-55	56-59	60-62	63-65	66-68	
11	295	1	1	682	1030	6/19/62	454	6600	0/4	25	311	2004	2004	2004	2004	2004	6	189.8	65		17.1	1
11	293	1	1	626	1042	6/19/62	667	6600	0/4	30	311	2030	2030	2030	2030	2030	6	161.4	69			1
11	297	1	1	679	1113	6/19/62	667	6600	0/4	25	311	2107	2107	2107	2107	2107	6	165.0	68			1
11	298	1	1	683	1635	7/5/62	663	6603	000/4	34	311	2025	2025	2025	2025	2025	6	228.7	65			1
11	295	1	1	620	60062	6/19/62	663	6603	000/1	311	311											
11	296	1	1	681	1040	6/19/62	667	6603	000/1	311	311	2025	2025	2025	2025	2025						
11	297	1	1	686	0752	6/19/62	663	6603	013/4	314	312	2030	2030	2030	2030	2030	80	71.9				1
11	298	1	1	688	0845	6/19/62	663	6603	013/4	314	312	2030	2030	2030	2030	2030						1
11	299	1	1	692	0935	6/19/62	663	6603	013/4	314	312	2030	2030	2030	2030	2030	80	78.9				1
11	295	1	1	679	1035	6/19/62	663	6603	013/4	314	312	2030	2030	2030	2030	2030	80	89.8				1

CALLISAURUS DRACONOIDES

[illegible]

CALLISAURUS DRACONOIDES

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	17	8-16	11-14	15	-	20-21-23	24	27-29	30-32	33-34	35	36	37-39	40-42	43-44	45-48	49-52	53-55	56-58	59
11	237	10	605			82263	00503	0101			3.58		0607	0603							
11	236	11	681	0710	10563	00313	00313	00014	210311				0105	0100							
11	240	12	662	1000	04464	00027	00027	00027	00027	00027			00027	00027							
11	243	11	674		04104	00303	030001						0077	00022							
11	243	11	674		04104	00303	030001						0077	00022							
11	245	11	683	1005	030304	00464	00464	00464	00464	00464			0034	0105							
11	247	11	677	1350	050864	01925	00014	320311					0063	0003							
11	250	11	612	1505	01164	00327	00327	00327	00327	00327			0013	0012							
11	253	11	685	1930	081064	00727	00013	0016					0013	0016							
11	254	11	681	1700	01064	00727	00013	0016					0076	0030							

CALLISAURUS DRACONOIDES

12	Species No.
3-5	Animal No.
6	Sex
7	Age
8-10	S-V length
11-14	Time
15	Date
20	Locality
21-23	Elevation
24-27	Habitat
28-32	Temperature
33	Breeding Color
34	Sperm
35	Epididymis
36	Left testis
37	volume
38	Rt. testis
39	volume
40	Condition
41	Sem. tubule
42	diameter
43	Sem. epithelial
44	height
45	Interstitial cell
46	nuclear diam.
47	Epid. epith.
48	height
49	Sertoli cells

Coleonyx variegatus

Coleonyx variegatus

COLEONYX VARIEGATUS

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	010	111	0003	2100	042459	002	0350	02	811	0035	0035	72	14.5	0.1								
16	011	111	0070	2125	042459	002	0350	02	811	0062	0062	61	9.1	0.4								
16	012	111	0075	2115	042459	002	0350	02	811	0050	0050	61	8.0	0.4								
16	013	111	0078	2030	042459	002	0350	02	811	0059	0070	62	2.4	6.9								
16	014	111	0069	2027	042459	003	0350	01	811	0060	0070	62	0.5	1.0	0.2							
16	021	111	0064		033057	015		01	811	0053	0099	62	0.7	2.4	9.2							
16	022	111	0062	2245	052259	003	0300	01	811	0026	0035	61	7.2	4.0	3.2							
16	023	111	0068	2145	052259	003	0300	01	811	0034	0044	72	4.0	1.0	3.7							
16	024	111	0066	2152	052259	003	0300	01	811	0041	0036	61	9.2	5.7								
16	028	111	0063	1930	052359	004		01	811	0004	0003	51	4.5	6.0								

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16	029	11	1	070	2305	052259	003	03	100	01		8	11	0056	0	0457	72	31.9	05	1.4		
16	030	11	1	077	2130	052259	003	03	00	02		8	11	0100	0	0857	71	91.4	08	2.7		
16	031	11	1	069	2000	052259	003	03	00	01		8	11	0050	0	0976	61	89.1	05	0.5		
16	032	11	1	068	1952	052259	003	03	00	01		8	11 12	0037	0	0416	61	71.3	03	9.6		
16	033	11	1	066	1945	052259	003	03	00	01		8	11 12	0031	0	0236	61	46.1	04	1.0		
16	034	11	1	066	2150	052259	003	03	00	01		8	11 12	0042	0	0496	62	29.9	04	5.1		
16	042	11	1	065	2100	051059	002	04	50	01		8	11	0015	0	0116	61	69.7	04	2.0		
16	043	11	1	067	2145	061059	003	03	00	01		8	11	0052	0	0456	61	83.8	04	8.8		
16	044	11	1	078	2020	061059	002	04	50	01		8	11	0057	0	0596	63	00.9	05	7.8		
16	045	11	1	080	2130	061059	002	05	00	02		8	11	0144	0	0149	62	25.4	05	6.8		

COLEONIX VARIEGATUS

COLEONIA VARIIGRIS																						
12	3-5	47	8-16	11-14	15	20	21-23	24	27	28-29	30-32	33	34	35	36	37	38	39	40	41	42	
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis	volume	Rt. testis	volume	Condition	Sem. tubule	diameter	Sem. epithelial	height
16	046	1	1	067	2122	061059	002	030002	02		811	1	0054	00966	197.7	097.2						
16	047	1	1	072	2110	061057	002	045002	02		811	1	0062	00566	200.3	047.8						
16	036	1	1	067	2025	062259	003	035001	01		811	1	0056	00536	219.4	042.9						
16	057	1	1	065	2021	062259	003	035001	01		811	1	0042	00467	205.9	052.1						
16	055	1	1	061	2020	062259	003	035001	01		822	2	0018	00187	189.4	039.6						
16	063	1	1	060	1945	081859	003	040001	0338.5	11	0021	00256	200.6	053.5								
16	064	1	1	073	2015	081859	003	030001	0331	811	1	0060	00366	200.8	056.1							
16	065	1	1	061	2025	081859	003	030001	0335	811	1	0025	00246	165.7	046.2							
16	066	1	1	070	2010	081859	003	025001	0321	822	2	0042	00516	230.9	055.2							
16	068	1	1	059	1915	081959	003	170001	0129.7	811	1	0002	00680	17.9								

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16-069	11	068	19420	0	81959	007	17	00	01	2	7.78	11	0020	0	0041	7	184.8	0482			47.5	(E)
16-070	12	052	1914	0	90959	013	02	00	01	3	7.08	22	0002	0	0002	0	001				10.5	(E)
16-071	11	1057	1945	0	90959	003	02	00	01	3	6.28	22	0003	0	0038	0	82.8					
16-072	12	048	1825	1	02459	002	05	00	01	3	26.8	22	2000	1	0002	0	046.2					
16-073	11	060	1840	1	02459	002	03	00	02	3	04.8	22	2001	3	0013	0	0135	114.2	0353			
16-074	11	071	1905	1	02459	003	03	00	01	2	8.48	22	0015	0	0154	1	45.9					
16-076	11	063	1915	1	02459	003	03	00	01	3	1.08	22	0019	0	0265	1	73.2	0470				
16-077	11	061	1915	1	02459	003	03	00	01	3	1.0	822	0007	0	0088	0	99.0					
16-080	11	067	1950	1	02459	003	02	00	01	2	7.3	822	0019	0	0179	1	148.5					
16-081	11	073	2015	1	02459	003	03	00	01	2	8.28	22	0019	0	0163	1	43.0	0385				

COLEOPTERX VARIEGATUS

COLEONYX VARIEGATUS																							
Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	082	1	1	066	1100	11/15/59	002	03	00	02	30	3	2	0016	0018	51	48.0	0307					
16	083	1	1	058	1845	030760	002	02	00	01	26	6	2	0022	0036	1	50.8	09	9.8				
16	084	1	1	063	1240	030860	002	03	00	02	34	8	2	0024	0030	4	54.3	04	8.7				
16	085	1	1	071	1920	041260	002	03	00	01	21	6	1	0054	0057	6	24.4	04	8.2				
16	086	1	1	060	1925	041260	002	03	00	01	22	0	1	0033	0032	6	20.7	05	0.2				
16	087	1	1	070	1950	041260	002	03	00	02	11	2	1	0068	0060								
16	088	1	1	059	1955	041260	002	03	00	02	22	0	2	0023	0034	5	52.8	04	3.6				
16	092	1	1	062	2215	041260	002	03	00	01	21	0	1	0050	0059	6	28.2	06	4.7				
16	094	1	1	064	2010	041360	004	00	00	01	25	5	1	0036	0050	7	28.8	04	7.8				
16	095	1	1	062	2100	041360	004	10	00	01	24	4	1	0054	0090	6	27.9	06	6.0				

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16	096	11	065	20.00	042960	015	-110	2	3.8	8	11	11	0066	0051	62	14.5	044.9				26.4	(E2)
16	097	11	072	19220	043060	002	030002	2	8	11	11	0066	0054	61	95.0	044.9						
16	100	11	060	1930	043060	002	030002	2	8	22	0009	0014	71	53	404	8.5						
16	102	11	071	1947	043060	003	030002	2	5.2	8	11	0113	0114	62	44.2	052.8					47.5	(E3)
16	103	11	064	1955	043060	003	030001	2	5.4	8	11	0079	0048	62	36.0	056.4						
16	104	11	067	2000	043060	003	030001	2	5.6	8	11	0083	0054	42	03.3	055.4						
16	107	12	054	20200	043060	003	030001	2	8	21	0024	0019	71	82.5	044.6							
16	111	11	065	2100	043060	003	030001	2	4.4	8	11	0035	0034	61	80.2	031.3						
16	113	11	068	2115	043060	003	030001	2	1.4	8	11	0062	0045	62	99.2	071.0						
16	114	11	073	2115	043060	003	030001	2	4.8	8	11	0079	0077	62	30.7	057.8					62.7	(E2)

COLEONYX VARIEGATUS

COLEOPTERINAE VARIETALIS																					
1-2	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-34	35-36	37-40	41-43	44-47	48-52	53-55	56-58	59-60				
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16 117	111	064	2130	43060	002	03	00	02	2408	11	0037	0406	201.9	056.1							
16 119	111	071	2215	43040	003	03	00	01	2308	11	0072	0606	247.2	055.4							
16 121	111	072	2225	43060	003	03	00	01	2208	11	0112	0675	242.6	055.8							
16 124	111	063	2245	43060	002	03	00	02		11	0031	0631	230.0	053.3							
16 125	111	074	2300	43040	003	03	00	01	2148	11	0071	0677	264.4	059.8							
16 126	111	069	2310	43060	003	03	00	01	2225	11	0072	0716	239.9	050.9							
16 127	111	067	2320	43060	003	03	00	01	2125	11	0073	0608	262.7	046.9							
16 128	111	073	2330	43060	003	03	00	01	2228	11	0063	0679	244.6	074.5							
16 129	111	063	2305	50960	003	03	00	01		11		0030									
16 134	111	055	2130	50940	003	03	00	01		11	0024	0618	299.4	054.1							

12	Species No.
3-5	Animal No.
6-7	Sex
8-10	Age
11-14	S-V length
15-18	Time
19-20	Date
21-23	Locality
24-27	Elevation
28-29	Habitat
30-32	Temperature
33-34	Breeding Color
35-36	Sperm
37-39	Epididymis
40-41	Left testis volume
42-43	Rt. testis volume
44-45	Condition
46-49	Sem. tubule diameter
50-52	Sem. epithelial height
53-55	Interstitial cell nuclear diam.
56-58	Epid. epith. height
59-60	Sertoli cells

14	136	11	067	2145	5	0960	003	03	00	01	27.5	11	0056	0062	6	22.4	065.0			
14	137	11	072	2150	0	0960	003	03	00	01	27.8	11	0062	0065	6	182.2	045.5			
14	141	11	072	2215	0	0960	003	03	00	01	27.05	11	0083	0095	6	51.7	066.9			
14	142	11	070	2230	0	0960	003	03	00	01	26.78	11	0060	0080	6	189.4	045.2			
14	143	11	067	2255	0	0960	003	03	00	01	27.28	11	0073	0074	6	251.8	072.9			
14	144	11	070	2330	0	0960	003	03	00	01	27.48	11	0072	0059	6	46.8	066.7			
14	146	11	067	2120	0	0960	007	15	00	01	24.08	11	0050	0056	6	28.0	065.6			
14	148	11	075	2240	0	0960	002	03	00	02	28.08	11	0100	0103						
14	150	11	062	2055	0	0960	003	03	00	01	27.68	11	0028	0012	6	198.7	048.2			
14	152	11	068	2115	0	0960	003	03	00	01	27.05	11	0035	0027	6	197.0	053.5			

(E9)

(E3)

(E3)

COLEONYX VARIEGATUS

COLEONYX VARIEGATUS																							
Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16	155	11	070				2400	060960	00203	00002	02064	811	00530	034	062	06.2	05.8					29.7	(E3)
16	156	11	063				2045	061660	00712	00001	2808	11	00270	041	062	04.7	06.5					42.7	(E3)
16	159	11	056				2200	060300	00303	00001	328.5	11	00090	010									
16	161	11	068				0415	060960	00303	00001	29.5	11	00280	040									
16	164	11	069				1924	060960	00303	00001	364.8	11	00250	016	061	57.8	049.5					26.4	(E2)
16	165	11	062				1940	060960	00303	00001	36.05	11	00050	004	080	82.3							
16	166	12	051				1950	060960	00303	00001		811	00080	007	711	13.3	005.8					16.5	(E2)
16	173	11	065				2130	061460	00303	00001	20.8	22	00080	008	91	51.1							
16	174	11	061				2201	061460	00303	00001	20.2	22	00040	003	80	77.9							
16	177	11	076				1845	062661	00203	00002	230.8	11	00790	012	52	41.2	057.4						

12-3-55	4-7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-43	44-45	46-49	50-52	53-55	56-58	59-60			
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16 178	11	060	2600	0	32641	003	03	00	01	2000	8	11	1	0043	0	0206	2	62.3	0.6	5.0	
16 179	11	070	1855	0	41561	003	03	00	01	2800	8	11	1	0091	0	0726	2	32.0	0.4	4.9	
16 184	11	071	2140	0	41561	018	03	35	01	2100	8	21	0043	0	0556	6	188.1	0.9	8.8		
16 185	11	071	2150	0	41561	018	03	35	01	2168	8	11	0047	0	0236	2	12.8	0.5	6.2		
16 187	11	069		0	41561	002	03	00	01		8	11	0028	0	0836	1	99.6	0.9	7.5		
16 188	11	073		0	41561	003	03	00	01		8	11	0081	0	0926	2	48.5	0.6	3.0		
16 191	11	077	1930	0	41561	002	03	00	02	2488	8	11	0101	0	0669	6	211.9	0.6	3.1	52.8	
16 192	11	072	1932	0	41561	002	03	00	02	2408	8	11	0069	0	0696	2	07.2	0.5	0.2		
16 194	11	070	1940	0	41561	002	03	00	02	2608	8	21	0108	0	1047	2	82.1	0.5	0.0		
16 195	11	074	1945	0	41561	002	03	00	01	2508	8	11	0093	0	0726	2	14.2	0.5	2.1		

(22)

COLEONYX VARIEGATUS

COLONIA VITELLOCIUS																					
1-2	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-34	35-36	37-40	41-45	46-49	50-53	54-58	59-60					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16 196	11 067	2000	04/15/61	003	00001	24.4	52	1	0057	0050	62	0009	05	1.2							
16 197	11 068	2015	04/15/61	003	00001	26.2	81	1	0065	0066	62	43.1	05	6.6							
16 199	11 070	2030	04/15/61	003	00001	24.0	51	1	0063	0040	62	43.5	06	3.7							(E3)
16 200	11 062	2035	04/15/61	003	00001	26.0	51	1	0046	0037	62	50.1	06	2.4							(E3)
16 202	11 067	2100	04/15/61	002	00002	26.0	51	1	0065	0074	62	37.6	05	3.5							
16 203	11 075	2130	04/15/61	002	00001	20.0	51	1	0100	0112	62	60.4	05	4.1							
16 204	11 072		04/15/61	003	00001		81	1	0054	0081	62	12.2	05	3.5							
16 205	11 066		04/15/61	003	00001		81	1	0067	0073	62	32.0	05	5.8							(E2)
16 210	11 066		05/13/61	002	00002		81	1	0037	0039											
16 211	11 073	1955	05/13/61	002	00002	20.6	52	1	0022	0032	8										

12.9

(22)

36.3

(23)

42.9

(24)

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	212	11077	1	077	1955	051361	002	03	00	02	24.0	811	0097	0074	253.1	054.1						
16	213	11073	1	073	2010	051361	002	03	00	02	24.2	811	0089	0060	0048	227.0	052.8				49.5	
16	214	11077	1	077	2030	051361	002	03	00	02	23.0	811	0060	0048	0048	214.8	050.8					
16	216	11069	1	069	2040	051361	002	03	00	01	22.5	811	0093	0087	0087	203.6	055.7					
16	217	11075	1	075	2130	051361	003	03	00	01	24.0	821	0072	0069	0069	193.7	047.8					
16	219	11080	1	080	2100	00761	002	03	00	02		811	0102	0104								
16	220	11070	1	070	2135	00761	003	03	00	01		811	0045	0046								
16	221	11061	1	061	1940	00461	025	04	00	01		811	0032	0037	0037	02.3	053.5				26.4	
16	223	11065	1	065	2045	00461	024	04	00	01		811	0041	0027	0027	03.2	060.7					
16	224	11058	1	058	2050	00461	024	04	00	01		811	0021	0021	0021	00.4	058.7					

COLONYX VARIEGATUS

COLONYX VARIEGATUS																					
1-2	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-45	46-49	50-52	53-55	56-58	59-60				
Species No.		Animal No.		Sex		Age		S-V length		Time		Date		Locality		Elevation		Habitat		Temperature	
Breeding Color		Sperm		Epididymis		Left testis volume		Rt. testis volume		Condition		Sem. tubule diameter		Sem. epithelial height		Interstitial cell nuclear diam.		Epid. epith. height		Sertoli cells	
16	225	1	1	058	2110	060461	024	04	00	01	8	1	1	0020	0020						
16	226	1	2	053	2111	060461	024	04	00	01	8	1	1	0020	0017	7	194.0	05	5.1		
16	230	1	1	059	2140	060561	082	16	00	01	8	1	1	0040	0033	6	223.4	04	8.5	(E1)	
16	232	1	1	075	2000	060761	002	03	00	02	8	1	1	0101	0085	6	267.9	06	9.0		
16	233	1	1	075	2215	060761	003	03	00	01	8	1	1	0060	0060	6	248.5	05	7.8		
16	234	1	1	066	2010	060761	002	03	00	02	8	1	1	0036	0020	6	132	05	6.1	(E1)	
16	235	1	1	069	2013	060761	002	03	00	02	8	1	1	0069	0053	6	34.0	06	4.0	(E1)	
16	238	1	1	068	2028	060761	002	03	00	02	8	1	1	0046	0039	6	194.0	05	1.2	(E3)	
16	240	1	1	066	2034	060761	002	03	00	02	8	1	1	0057	0040	6	196.0	04	3.2	(E3)	
16	243	1	1	069	2052	060761	002	03	00	02	8	1	1	0068	0079	6	212.8	05	4.4		

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	246	1	1	068	2140	060701	003	03	0001	28.4	811	1	0037	0.039	0.039	62	10.5	059.7		16.5	(E4)
16	247	1	1	065	2145	060701	003	03	0001		821	1	0064	0.066	0.066	193.7	057.1			46.2	(E1)
16	248	1	1	065	2153	060701	003	03	0001		811	1	0060	0.071	0.071	202.3	053.1			13.8	(E1)
16	250	1	1	066	2210	060701	003	03	0001	27.2	811	1	0056	0.051	0.051	62	23.1	045.5		66.0	(E2)
16	251	1	1	067	2005	060701	002	03	0002		811	1	0041	0.035	0.035	176	20.4	4.6			
16	252	1	1	066		060701	002	03	0002		811	1	0056	0.054	0.054	62	20.9	056.8		16.5	(E1)
16	254	1	1	074	0050	062301	002	03	0002		811	1	0057	0.051	0.051	72	26.7	044.6			
16	258	1	1	074	2055	072101	002	03	0002	20.0	811	1	0019	0.051	0.051	72	26.9	048.8			
16	259	1	1	074	2150	072101	002	03	0002	20.2	811	1	0050	0.042	0.042	61	18.1	048.5		39.6	(E3)
16	260	1	1	075	2315	072101	003	03	0001		811	1	0062	0.060	0.060	62	26.3	057.1			

COLEONYX VARIEGATUS

[illegible]

2000

[illegible]

COLEONYX VARIEGATUS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16 302	11 070				2047	0 72062	00303	00061	358	011	0032	0033	6177.8	44						39.6	(E2)
16 303	11 074				2115	0 72062	00203	00023	356	011	0054	0060	5069.6							26.4	(E0)
16 304	11 069				2066	0 80462	00303	00001			022	0008									
16 306	11 070				2000	0 80462	00303	00001	345	031	0037	0044	6263.6	043.6							
16 307	11 064				2010	0 80462	00303	00001	348	011	0025	0029	6159.1	045.2							
16 310	11 073				2056	0 80462	00203	00002	306	011	0036	0037	6154.1	039.3							
16 311	11 072				2115	0 80462	00203	00002	298	011	0029	0022	6179.5	050.2							
16 313	11 063				2010	0 81062	00303	00001	342	011	0030	0032	6191.4	048.2							
16 315	11 071				1913	0 91562	00203	00002	340	011	0010	0011	7135.6	643.1						23.1	(E2)
16 317	11 074				2035	0 91562	00203	00002	306	031	0005	0005	8097.4								

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16-318	111061	1950	040763	003030061	2480111	003300406	2118	058.1													
16-320	12043	2005	040763	003030061	23800220004	000400049	115.5														
16-322	11063	2020	040763	003030061		022000400365	154.1														
16-323	11069	2040	040763	003030061	236004100085	007762355	7.2														
16-324	11064	1845	040863	003030061	25001110005	00396208.0	648.2														
16-326	11058	1905	040863	003030061	24000210042	00326162.0															
16-329	11061	1940	040863	003030061	24201110022	002200226226.4	056.1														
16-330	11074	2005	040863	018030062	21001110060	006356245.8	062.7														
16-331	11072	2020	040863	002030062	21001110035	00416247.9	063.9														
16-334	11067	2100	040863	003030061	24001110018	0057															

(12)

(13)

(12)

COLEONYX VARIEGATUS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
16-335	1	1	1	064	2100	042863	003	03	00	01	01	1	0045								
16-336	1	1	1	062	2145	042863	003	03	00	01	01	1	0057	0041							
16-337	1	1	1	066	2005	052563	003	03	00	01	24.08	2	0030	0062							
16-338	1	1	1	064	2115	052463	002	03	00	02	2260	011	0036	0040	62.11.5	65	5.4				
16-340	1	1	1	072	1940	052463	003	03	00	01	26.0	011	0062	0077	62.05.7	65.4.1					
16-343	1	1	1	072	2110	052463	002	03	00	02	24.0	011	0081	0081	61.8.1	64.1.6					
16-345	1	1	1	078	2030	052463	002	03	00	02	24.4	011	0097	0096	62.65.0	64.2.0				36.3	(E2)
16-347	1	1	1	057	2130	052463	003	03	00	01	24.0	011	0030	0032	62.19.4	65.6.5					
16-348	1	1	1	081	2230	052463	002	03	00	02	23.0	011	0093	0053							39.6
16-350	1	1	1	054	2020	060863	057	03	00	01	27.4	011	0026	0026	62.01.0	65.3.1					

COLEONYX VARIEGATUS

12	Species No.
3-5	Animal No.
6	Sex
7	Age
8-10	S-V length
11-14	Time
15	Date
20	Locality
21-23	Elevation
24	Habitat
25-27	Temperature
28-32	Breeding Color
33	Sperm
34	Epididymis
35-36	Left testis volume
37-40	Rt. testis volume
41-44	Condition
45-48	Sem. tubule diameter
49-52	Sem. epithelial height
53-55	Interstitial cell nuclear diam.
56-58	Epid. epith. height
59-60	Sertoli cells

16 366 11 063 0 41164 22 03 00 0111 0035 6 030

Dipsosaurus dorsalis

Dipsosaurus dorsalis

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	001	1	1	133	145	082358	015		01		8.8	0029	0079								
13	002	1	1	121	1156	082358	015		01		8.8	0024	0024								
15	003	1	1	125	0805	082358	015		01	37.4	8.8	0115	0112								
15	004	1	1	127	0920	082358	015		01	40.8	8.8	0028	0034								
15	005	1	1	130	1300	082358	015		01		8.8	0033	0033								
15	010	1	1	131	1320	091059	050		01		8.8	0055	0061	91	09.2				05.8	19.8	1
15	014	1	1	102	1202	092459	007	14	00	01	8.8	0014	0017	00	74.9						1
15	015	1	1	126	1130	092459	007	14	00	01	8.8	0071	0070	31	07.2	03	2.3	06.3			1
15	018	1	1	068	1055	092459	007	14	00	01	8.8	0001	0001	00	46.9						1
15	019	1	1	101	1000	092459	004	06	00	01	8.8	0004	0009	00	72.6			65.8			1

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15 020	11 124	11	124	0730	042959	004	060001	0129658	0104615	57.1	0.3	8.5	06.3	1							
15 021	11 120	11	120	1005	042959	004	060001	0129658	0104615	46.6	0.3	7.7	06.3	1							
15 022	11 120	11	120	1167	042959	004	060001	0129658	0104615	46.6	0.3	7.7	06.3	1							
15 023	11 119	11	119	0945	042959	004	060001	0129658	0104615	65.0	0.4	1.6	06.3	1							
15 024	11 122	11	122	1035	042959	004	060001	0129658	0104615	70.0	0.4	5.2	06.3	1							
15 025	11 120	11	120	1048	042959	004	060001	0129658	0104615	52.8	0.3	0.9	04.7	1							
15 028	11 134	11	134	1355	052359	003	030001	0110246	0222615	50.8	0.4	0.9	04.7	1							
15 031	11 132	11	132	1250	052359	003	030001	0110320	033062	27.4	0.4	9.5	06.3	1							
15 033	11 108	11	108	0725	052359	004	040001	01220016	001000	61.4	0.0	0.0	06.3	1							
15 034	11 090	11	090	1140	052359	004	060001	012200020	000700	54.4	0.0	0.0	06.3	1							

DIPSOSAURUS DORSALIS

DIPSCALUS DORSALIS																							
12	3-5	6	7	8-10	11-14	15	20	21-23	24	27-28	29	30-32	33-34	35	36	37-39	40	41-43	44	45-47	48	49	50-52
Species No.		Animal No.		Sex		Age		S-V length		Time		Date		Locality		Elevation		Habitat		Temperature		Breeding Color	
15 030		1 2 016		15 037		1 1 132		15 038		1 1 123		15 039		1 1 126		15 040		1 1 130		15 041		1 1 122	
15 042		1 1 125		15 043		1 1 127		15 044		1 1 134		15 045		1 1 117		15 046		1 1 134		15 047		1 1 122	
15 048		1 1 123		15 049		1 1 126		15 050		1 1 123		15 051		1 1 126		15 052		1 1 130		15 053		1 1 122	
15 054		1 1 125		15 055		1 1 127		15 056		1 1 134		15 057		1 1 117		15 058		1 1 134		15 059		1 1 122	
15 060		1 1 123		15 061		1 1 126		15 062		1 1 123		15 063		1 1 126		15 064		1 1 130		15 065		1 1 122	
15 066		1 1 125		15 067		1 1 127		15 068		1 1 134		15 069		1 1 117		15 070		1 1 134		15 071		1 1 122	
15 072		1 1 123		15 073		1 1 126		15 074		1 1 123		15 075		1 1 126		15 076		1 1 130		15 077		1 1 122	
15 078		1 1 125		15 079		1 1 127		15 080		1 1 134		15 081		1 1 117		15 082		1 1 134		15 083		1 1 122	
15 084		1 1 123		15 085		1 1 126		15 086		1 1 123		15 087		1 1 126		15 088		1 1 130		15 089		1 1 122	
15 090		1 1 125		15 091		1 1 127		15 092		1 1 134		15 093		1 1 117		15 094		1 1 134		15 095		1 1 122	
15 096		1 1 123		15 097		1 1 126		15 098		1 1 123		15 099		1 1 126		15 100		1 1 130		15 101		1 1 122	
15 102		1 1 125		15 103		1 1 127		15 104		1 1 134		15 105		1 1 117		15 106		1 1 134		15 107		1 1 122	
15 108		1 1 123		15 109		1 1 126		15 110		1 1 123		15 111		1 1 126		15 112		1 1 130		15 113		1 1 122	
15 114		1 1 125		15 115		1 1 127		15 116		1 1 134		15 117		1 1 117		15 118		1 1 134		15 119		1 1 122	
15 120		1 1 123		15 121		1 1 126		15 122		1 1 123		15 123		1 1 126		15 124		1 1 130		15 125		1 1 122	
15 126		1 1 125		15 127		1 1 127		15 128		1 1 134		15 129		1 1 117		15 130		1 1 134		15 131		1 1 122	
15 132		1 1 123		15 133		1 1 126		15 134		1 1 123		15 135		1 1 126		15 136		1 1 130		15 137		1 1 122	
15 138		1 1 125		15 139		1 1 127		15 140		1 1 134		15 141		1 1 117		15 142		1 1 134		15 143		1 1 122	
15 144		1 1 123		15 145		1 1 126		15 146		1 1 123		15 147		1 1 126		15 148		1 1 130		15 149		1 1 122	
15 150		1 1 125		15 151		1 1 127		15 152		1 1 134		15 153		1 1 117		15 154		1 1 134		15 155		1 1 122	
15 156		1 1 123		15 157		1 1 126		15 158		1 1 123		15 159		1 1 126		15 160		1 1 130		15 161		1 1 122	
15 162		1 1 125		15 163		1 1 127		15 164		1 1 134		15 165		1 1 117		15 166		1 1 134		15 167		1 1 122	
15 168		1 1 123		15 169		1 1 126		15 170		1 1 123		15 171		1 1 126		15 172		1 1 130		15 173		1 1 122	
15 174		1 1 125		15 175		1 1 127		15 176		1 1 134		15 177		1 1 117		15 178		1 1 134		15 179		1 1 122	
15 180		1 1 123		15 181		1 1 126		15 182		1 1 123		15 183		1 1 126		15 184		1 1 130		15 185		1 1 122	
15 186		1 1 125		15 187		1 1 127		15 188		1 1 134		15 189		1 1 117		15 190		1 1 134		15 191		1 1 122	
15 192		1 1 123		15 193		1 1 126		15 194		1 1 123		15 195		1 1 126		15 196		1 1 130		15 197		1 1 122	
15 198		1 1 125		15 199		1 1 127		15 200		1 1 134		15 201		1 1 117		15 202		1 1 134		15 203		1 1 122	
15 204		1 1 123		15 205		1 1 126		15 206		1 1 123		15 207		1 1 126		15 208		1 1 130		15 209		1 1 122	
15 210		1 1 125		15 211		1 1 127		15 212		1 1 134		15 213		1 1 117		15 214		1 1 134		15 215		1 1 122	
15 216		1 1 123		15 217		1 1 126		15 218		1 1 123		15 219		1 1 126		15 220		1 1 130		15 221		1 1 122	
15 222		1 1 125		15 223		1 1 127		15 224		1 1 134		15 225		1 1 117		15 226		1 1 134		15 227		1 1 122	
15 228		1 1 123		15 229		1 1 126		15 230		1 1 123		15 231		1 1 126		15 232		1 1 130		15 233		1 1 122	
15 234		1 1 125		15 235		1 1 127		15 236		1 1 134		15 237		1 1 117		15 238		1 1 134		15 239		1 1 122	
15 240		1 1 123		15 241		1 1 126		15 242		1 1 123		15 243		1 1 126		15 244		1 1 130		15 245		1 1 122	
15 246		1 1 125		15 247		1 1 127		15 248		1 1 134		15 249		1 1 117		15 250		1 1 134		15 251		1 1 122	
15 252		1 1 123		15 253		1 1 126		15 254		1 1 123		15 255		1 1 126		15 256		1 1 130		15 257		1 1 122	
15 258		1 1 125		15 259		1 1 127		15 260		1 1 134		15 261		1 1 117		15 262		1 1 134		15 263		1 1 122	
15 264		1 1 123		15 265		1 1 126		15 266		1 1 123		15 267		1 1 126		15 268		1 1 130		15 269		1 1 122	
15 270		1 1 125		15 271		1 1 127		15 272		1 1 134		15 273		1 1 117		15 274		1 1 134		15 275		1 1 122	
15 276		1 1 123		15 277		1 1 126		15 278		1 1 123		15 279		1 1 126		15 280		1 1 130		15 281		1 1 122	
15 282		1 1 125		15 283		1 1 127		15 284		1 1 134		15 285		1 1 117		15 286		1 1 134		15 287		1 1 122	
15 288		1 1 123		15 289		1 1 126		15 290		1 1 123		15 291		1 1 126		15 292		1 1 130		15 293		1 1 122	
15 294		1 1 125		15 295		1 1 127		15 296		1 1 134		15 297		1 1 117		15 298		1 1 134		15 299		1 1 122	
15 300		1 1 123		15 301		1 1 126		15 302		1 1 123		15 303		1 1 126		15 304		1 1 130		15 305		1 1 122	
15 306		1 1 125		15 307		1 1 127		15 308		1 1 134		15 309		1 1 117		15 310		1 1 134		15 311		1 1 122	
15 312		1 1 123		15 313		1 1 126		15 314		1 1 123		15 315		1 1 126		15 316		1 1 130		15 317		1 1 122	
15 318		1 1 125		15 319		1 1 127		15 320		1 1 134		15 321		1 1 117		15 322		1 1 134		15 323		1 1 122	
15 324		1 1 123		15 325		1 1 126		15 326		1 1 123		15 327		1 1 126		15 328		1 1 130		15 329		1 1 122	
15 330		1 1 125		15 331		1 1 127		15 332		1 1 134		15 333		1 1 117		15 334		1 1 134		15 335		1 1 122	
15 336		1 1 123		15 337		1 1 126		15 338		1 1 123		15 339		1 1 126		15 340		1 1 130		15 341		1 1 122	
15 342		1 1 125		15 343		1 1 127		15 344		1 1 134		15 345		1 1 117		15 346		1 1 134		15 347		1 1 122	
15 348		1 1 123		15 349		1 1 126		15 350		1 1 123		15 351		1 1 126		15 352		1 1 130		15 353		1 1 122	
15 354		1 1 125		15 355		1 1 127		15 356		1 1 134		15 357		1 1 117		15 358		1 1 134		15 359		1 1 122	
15 360		1 1 123		15 361		1 1 126		15 362		1 1 123		15 363		1 1 126		15 364		1 1 130		15 365		1 1 122	
15 366		1 1 125		15 367		1 1 127		15 368		1 1 134		15 369		1 1 117		15 370		1 1 134		15 371		1 1 122	
15 372		1 1 123		15 373		1 1 126		15 374		1 1 123		15 375		1 1 126		15 376		1 1 130		15 377		1 1 122	
15 378		1 1 125		15 379		1 1 127		15 380		1 1 134		15 381		1 1 117		15 382		1 1 134		15 383		1 1 122	
15 384		1 1 123		15 385		1 1 126		15 386		1 1 123		15 387		1 1 126		15 388		1 1 130		15 389		1 1 122	
15 390		1 1 125		15 391		1 1 127		15 392		1 1 134		15 393		1 1 117		15 394		1 1 134		15 395		1 1 122	
15 396		1 1 123		15 397		1 1 126		15 398		1 1 123		15 399		1 1 126		15 400		1 1 130		15 401		1 1 122	
15 402		1 1 125		15 403		1 1 127		15 404		1 1 134		15 405		1 1 117		15 406		1 1 134		15 407		1 1 122	
15 408		1 1 123		15 409		1 1 126		15 410		1 1 123		15 411		1 1 126		15 412		1 1 130		15 413		1 1 122	
15 414		1 1 125		15 415		1 1 127		15 416		1 1 134		15 417		1 1 117		15 418		1 1 134		15 419		1 1 122	
15 420		1 1 123		15 421		1 1 126		15 422		1 1 123		15 423		1 1 126		15 424		1 1 130		15 425		1 1 122	
15 426		1 1 125		15 427		1 1 127		15 428		1 1 134		15 429		1 1 117		15 430		1 1 134		15 431		1 1 122	
15 432		1 1 123		15 433		1 1 126		15 434		1 1 123		15 435		1 1 126		15 436		1 1 130		15 437		1 1 122	
15 438		1 1 125		15 439		1 1 127		15 440		1 1 134		15 441		1 1									

12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-30	31-33	34-36	37-39	40-43	44-49	50-52	53-55	56-59					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	041	1	1	137	1240	06/15/9	003	0500	01		8	11	0227	00237	00215	02	15.2	09	5.5	06.7	1
15	048	1	1	127	1025	06/25/9	004	0250	01		8	11	0343	00445	00471	02	08.9	0583			1
15	050	1	2	113	1035	06/25/9	004	0250	01		8	22	0110	00151	00171	11	02.2	0485	06.3		1
15	051	1	1	154	1055	06/25/9	004	0250	01		8	11	0314	00343	00372	12	15.2	0409	05.8		1
15	052	1	1	153	1040	06/25/9	004	0250	01		8	11	0213	00343	00372	12	36.9	0495	06.3		1
15	054	1	1	120	0830	06/25/9	004	0600	01	24	8	11	0217	00237	00271	11	06.8	0364	05.2		1
15	055	1	1	125		06/23/0	069				8	22	0063	00663	00671	11	08.6	0304	06.3		1
15	056	1	1	121		06/23/9	004	0250	01		8	11	0275	00375	00372	11	11.9	0505	06.3		1
15	057	1	1	132		06/23/9	004	0250	01		8	11	0147	00162							
15	058	1	2	090		06/23/9	004	0250	01		8	22	00030	00030	00030	00	51.5				1

DIPSOSAURUS DORSALIS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-059	111117			0907	0905	0905	004	0600	01	39.8	822	20041	0041	0046	71	144.6	0.5	0.8	0.58		1
15-060	12090			0955	0905	0905	004	0600	01	41.4	822	20001	0001	0004	0050.8						1
15-063	12111			1110	1205	1205	004	0800	01	43.0	822	20066	0046								1
15-064	11121			1135	1205	1205	004	0800	01	43.7	822	20040	0017	71	129.0	0.3	0.0	0.63	29.7		1
15-065	12104			0915	1215	1215	003	0500	01	43.8	822	20005	0003	0003	0055.4						1
15-066	11128			0825	1225	1225	007	1400	01	38.1	822	20055	0045						0.58		
15-067	12084			0930	1225	1225	007	1400	01	43.6	822	20003	0003	0003	0041.9						1
15-068	12085			1005	1225	1225	007	1400	01	44.7	822	20002	0002	0002	0038.3						1
15-070	12112			1030	1225	1225	007	1252	01	43.2	822	20031	0047	0047	0085.4	0.2	31				1
15-072	12074			1048	1225	1225	007	1400	01	42.0	822	20002	0002	0002	0039.3						1

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(6)

Figure 1

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-073	11126				1048	72259	007	1400	0144	6.5	22	22	0081	0000	0000	80	90.4		06.3		1
15-075	12102				1130	51959	004	0500	01		8.2	22	0015	0017	90	82.5					1
15-078	12025				0430	52059	007	1400	0142	6.8	22	22	0002	0002	0002	00	36.3				1
15-080	12087				1210	52059	007	1500	0141	2.6	22	22	0002	0006	0006	00	42.9				1
15-082	11131				1000	53159	004	0550	0142	8.8	22	22	0031	0036	0036	00	55.8				1
15-083	11126				1125	081959	002	0300	0242	4.8	22	22	0079	0079	0079	51	27.7	04.3	06.3		1
15-084	11131				1120	082059	007	1500	0140	2.8	22	22	0083	0007	0007	81	14.5		06.3		1
15-085	11122				1225	082059	007	1500	0143	0.8	22	22	0015	0079	0079						
15-086	12096				1130	083159	004	0550	01		8.2	22	0005	0005	0005	00	17.2				1
15-087	12082				1130	090159	004	0550	01		8.2	22	0001	0001	0001						

DIPSOSAURUS DORSALIS

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	088	12	095	1130	090759	009	0550	01	52	2	0007	0008										
15	089	12	107	1130	090759	004	0550	01	52	2	0013	013	00	62.4								1
15	092	11	122	1240	032800	005	0700	01	38.7	82	2	0218	0	193	51	80.2	64	55	06.3			2
15	093	11	120	1245	041200	016	1000	08	37.5	82	1	6443	0	378	62	62.4	66	1.1				2
15	095	12	089	1340	041200	016	1000	08	38.2	82	2	0033	0	024	61	02.0						1
15	096	11	130	1505	041300	003	0300	01	38.2	81	1	0534	0	772	66							29.7
15	097	11	134	1540	041300	003	0300	01	39.2	81	1	0582	0	593								29.7
15	100	11	123	1245	041400	004	0475	01	39.7	81	1	0343	0	480	62	16.2	05	6.1	06.3	350		2
15	101	11	130	1250	041400	004	0475	01	40.0	82	1	0232	0	256	61	45.4	04	6.2	06.3			2
15	103	12	099	1255	041400	004	0475	01	40.0	82	2	0007	0	014	60	65.7						1

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
15-106	106	1	1	127	1315	04/14/60	004	04	75	01	41.8	8	11	0.208	0.355	6.2	10.2	0.5	2.3	06.3	6.5	2
15-108	108	1	1	132	1346	04/14/60	004	04	75	01	41.5	8	11	0.428	0.416	6.2	39.2	0.5	6.1	04.3	6.5	2
15-110	110	1	1	130	1405	04/14/60	004	04	75	01	39.4	8	11	0.401	0.300	6.1	32.3	0.4	1.2	06.3		2
15-111	111	1	2	111	1410	04/14/60	004	04	75	01	40.4	8	22	0.128	0.091	0.1	75.2			06.3	26.4	1
15-112	112	1	1	123	1414	04/14/60	004	04	75	01	39.7	8	22	0.176	0.167	5.1	78.2	0.5	5.4	06.3		1
15-113	113	1	1	122	1418	04/14/60	004	04	75	01	39.3	8	22	0.200	0.218	6.2	07.4	0.4	8.5		29.7	2
15-114	114	1	1	118	1420	04/14/60	004	04	75	01	41.7	8	11	0.246	0.244	6.1	47.5	0.5	3.9			2
15-115	115	1	1	124	1425	04/14/60	004	04	75	01	40.9	8	22	0.217	0.269							
15-117	117	1	1	128	1447	04/14/60	004	04	75	01	41.8	8	11	0.275	0.241	6.2	18.8	0.4	4.6	05.8	26.4	1
15-118	118	1	1	119	1508	04/14/60	004	04	75	01	41.4	8	22	0.080	0.073	5.1	42.9	0.4	5.2	06.3		1

(E1)

(E1)

(E2)

DIPSOSAURUS DORSALIS

DIPLOSOMUS DORSALIS																																	
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells											
12	5-5	17	8-10	11-14	15	-	20	21-23	24	-	27	28	29	30	-	32	-	39	40	-	43	44	45	-	48	49	-	51	52	53-55	56-58	59	
15	122	1	1	134	0	0845	042160	007	11	00	01	38418	11	08336	1075	62	45.5	0578.7	06.3														
15	123	1	1	126	0	0850	042160	007	11	00	01	37.8	11	0956	0121	62	03364	6.5	06.3	49.5													
15	124	1	1	128	0	0915	042160	007	11	00	01	37.6	11	0662	0435	61	94.7	046.8	06.3														
15	126	1	1	130	0	0935	042160	007	11	00	01	40.4	11	0692	0893	62	44.7	057.2	05.4														
15	128	1	1	135	0	0950	042160	007	11	00	01	37.6	11	1024	0615																		
15	130	1	1	138	0	1005	042160	007	11	00	01	40.5	11	0704	0712	62	37.4	062.0	06.3														
15	131	1	2	108	0	1000	042160	007	11	00	01	39.4	11	0214	0276	51	96.7	039.4	06.3														
15	132	1	1	120	0	1015	042160	007	11	00	01	41.2	11	0381	0407	62	18.5	049.2															
15	135	1	2	101	0	1105	042160	007	14	00	01	40.8	11	0051	0075	01	41.1	049.5	06.3														
15	137	1	1	131	0	1120	042160	007	14	00	01	40.4	11	0780	0723																		

(E1)

(E3)

12	3-5	67	8-16	11-14	15-20	21-23	24-27	28-32	33-34	35-36	37-39	40-43	44-45	46-49	50-52	53-55	56-59	60			
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-140	11	1	137	1205	42160	007	1402	01	4108	111	0735	0614	6								
15-141	11	1	123	1405	42560	004	0430	01	4048	21	0206	0173	4	118.1	037.0	06.3					1
15-142	11	1	110	1350	42960	004	0600	01	3258	22	0027	0029	0	082.5							1
15-143	11	1	129	0945	50160	007	0300	01	4088	22	0041	0026	0	106.3		06.3					1
15-145	12	1	112	1012	050160	003	0300	01	3808	22	0006	0006	0	006	0055.4						1
15-146	11	1	145	1100	050160	003	0500	01	81	1	0582	0601									
15-147	11	1	117	1115	050160	003	0300	01	4288	21	0166	0021	5	135.3	037.4						2
15-148	11	1	128	1120	050160	003	0300	01	3988	11	0280	0352	6	32.6	056.1						2
15-150	11	1	136	1145	050160	003	0300	01	4398	11	0167	0138	6	177.5	060.1						2
15-151	11	1	124	1150	050160	018	0300	01	4028	21	0047	0041	0	095.7	089.7						1

DIPSOSAURUS DORSALIS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	153	1	1	129		050100	003	0300	01		811	00966	0.79	51	08.9	02.1				23.1	(E3)
15	156	1	1	132	1230	050900	004	0500	01		811	0445	0.388								
15	157	1	1	127	1230	050900	004	0500	01		811	0286	0.407								
15	159	1	1	122	1240	050900	004	0500	01	39.2	811	0350	0.341	62	03.0	05.6				42.9	(E3)
15	164	1	1	134	0900	051000	003	0300	01	40.4	811	0336	0.270								
15	165	1	1	138	0915	051000	003	0300	01	40.8	811	0510	0.472							42.9	(E2)
15	168	1	1	122	1040	051000	003	0300	01	39.4	811	0280	0.256	61	74.2	04.2	06.3				
15	170	1	1	123	0920	051400	004	0400	01		811	0358	0.358	61	74.9	04.4					
15	173	1	1	128	1005	051400	004	0400	01		811	0534	0.375							46.2	(E4)
15	174	1	1	124	1035	051400	004	0400	01		811	0237	0.297								

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	177	11	122	1050	051400	004	04	75	01			8	11	0251	0275						36.3	16.9
15	179	11	132	1053	051400	004	04	75	01			8	11	0514	0535	6	215.3	053.6	06.3			2
15	180	11	122	1055	051400	004	04	75	01			8	11	0324	0315	6	195.6	058.9	06.3			2
15	182	11	113	1105	051400	004	04	75	01			8	22	0013	0014	0062.4						1
15	185	11	127	1125	051400	004	04	75	01	39.4	8	11	0338	0426	61	98.3	044.9					2
15	188	11	124	1130	051400	004	04	75	01			8	11	0232	0205						42.9	16.3
15	189	11	120	1130	051400	004	04	75	01			8	11	0334	0343	61	74.6	043.6	06.3			2
15	190	11	121	1130	051400	004	04	75	01			8	11	0278	0400	61	74.9	049.5			36.3	2
15	193	11	128	1130	051400	004	04	75	01			8	11	0523	0557	6						
15	196	11	128	1130	051400	004	04	75	01			8	11	0508	0533	62	38.1	072.0	06.3			2

DIPSOSAURUS DORSALIS

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	210	111	129	1235	052260	007	1800	01	3908	11	0548	052262	005	0470	06.3	42.92	(E3)					
15	211	111	129	1810	052260	007	1800	01		11	0407	0441	02	09.6	0578	2						
15	212	111	128		052260	007	1400	01		11	0457	0450	01	930	0574	06.3	2					
15	214	111	133	1205	052660	004	0475	01	41.4	11	0401	232										
15	215	111	133	1215	052660	004	0475	01	39.6	11	0362	0338	02	06.2	046.2	33.02	(E1)					
15	216	111	120	1220	052660	004	0475	01	41.6	11	0246	0235	04	183.2	0578	06.3	59.62	(E2)				
15	217	111	123	1230	052660	004	0475	01	38.5	11	0292	0282	01	65.0	031.4							
15	218	111	126	1230	052660	004	0475	01	40.7	11	0261	0193	02	13.8	050.2	06.3	1					
15	219	112	114	1235	052660	004	0475	01	42.1	12	0031	0021	01	91.4	0574	052						
15	220	111	123	1240	052660	001	0475	01	40.7	11	0265	0205	01	430	034.3							

DIPSOSAURUS DORSALIS

DIPSOSAURUS DORSALIS																					
12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-34	35-39	40-44	45-49	50-53	54-58	59							
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	221	1	1	133	1240	052660	00404	75	0141.0	811	0395	0312	62	16.4	06	5.3	65.8	52.8	2	(E3)	
15	226	1	1	136	1410	052660	00404	75	01	811	0381	0401	62	30.6	06	1.4				46.2	2
15	228	1	1	130		052260	00714	00	61	811	0526	0460	6								(E7)
15	229	1	2	109	1155	060960	00404	75	0141.4	822	0013	0014	06	80.8							1
15	231	1	2	110	1240	060960	00404	75	0141.0	822	0110	0031									
15	232	1	1	118	1300	060960	00404	75	0142.0	811	0280	0429									
15	233	1	1	121	1330	060960	00404	75	0140.5	811	0420	0100									
15	234	1	1	124	1155	060960	00404	75	0139.8	811	0275	0209									
15	235	1	2	103	1236	060960	00404	75	0141.2	822	0005	0006									
15	237	1	1	125	1140	060960	00404	75	0140.8	811	0246	0228	41	79.8	04	9.8	66.3	550	2	(E5)	

1. Name
2. Address
3. City
4. State
5. Zip

6. Age
7. Sex
8. Religion
9. Education
10. Occupation

11. Marital Status
12. Number of Children
13. Number of Siblings
14. Number of Pets
15. Number of Vehicles

16. Number of Hobbies
17. Number of Friends
18. Number of Acquaintances
19. Number of Neighbors
20. Number of Relatives

21. Number of Pets
22. Number of Vehicles
23. Number of Hobbies
24. Number of Friends
25. Number of Acquaintances

26. Number of Neighbors
27. Number of Relatives
28. Number of Pets
29. Number of Vehicles
30. Number of Hobbies

31. Number of Friends
32. Number of Acquaintances
33. Number of Neighbors
34. Number of Relatives
35. Number of Pets

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12	3-5	6	7	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33	34	35	36	39	40	43	44	45	49	52	53-55	56-58	59	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Species No.		Animal No.		Sex	Age	S-V length		Time		Date		Locality		Elevation		Habitat		Temperature		Breeding Color		Sperm		Epididymis		Left testis volume		Rt. testis volume		Condition		Sem. tubule diameter		Sem. epithelial height		Interstitial cell nuclear diam.		Epid. epith. height		Sertoli cells																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
15	238	11	11	122	1200	060960	004	04	75	01	39.6	511	1	0205	0196	0241.8	06	6.0	06.3	39.6	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

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DIPSOSAURUS DORSALIS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-249	111120	111120	1318	060960	504	0975-01	89.5	811	0193	0209	6181.5	0411.2									1
15-250	111123	1405	060960	004	0975-01	91.5	811	10217	0274	6152.9	0451										2
15-252	111134	1740	060960	003	030001	40.6	811	0422	0372	6181.5	038.0										2
15-253	12108	0810	061060	003	030001	37.9	822	00060	0090	060.1											1
15-254	111128	0825	061060	003	030001	40.2	811	0357	0398	6190.0	046.2										49.52
15-256	111136	0840	061060	003	030001	40.6	811	0420	0347												
15-257	111138	0845	061060	003	030001	40.6	811	0343	0360	6216.5	053.1	06.3	49.51								
15-258	111122	0900	061060	003	030001		811	0210	0205	6185.1	0411.9	06.3	52.11								
15-259	12107	0915	061060	003	030001		822	0070	0050	6116.5											
15-261	111138	0940	061060	003	030001	41.4	811	0533	0634	6170.0	034.3										

(E2)

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(E3)

(E1)

(E4)

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	262	1	2	112	0945	6/10/60	003	0300	014	45.2	8	2	0009	0	009						
15	263	1	1	126	0955	6/10/60	003	0300	014	42.8	8	1	0196	0	147	6	179.2	04	5.8	06.3	29.7
15	266	1	1	139	1045	6/10/60	003	0300	014	46.8	8	1	0441	0	471	6	212.2	04	7.2	06.3	
15	269	1	1	137	0840	6/11/60	007	1400	014	40.4	8	1	0872	0	652	4	232.1	05	7.2		36.3
15	271	1	1	133	0920	6/11/60	007	1400	013	46.8	8	1	0483	0	320	6	27.1	06	3.8		2
15	272	1	1	131	0930	6/11/60	007	1400	014	41.2	8	1	0331	0	343	6					(E2)
15	273	1	1	134	0945	6/11/60	007	1400	014	41.8	8	1	0368	0	314	6					39.6
15	274	1	2	102	1005	6/11/60	007	1400	014	41.2	8	1	0136	0	130	6					(E3)
15	275	1	1	130	1040	6/11/60	007	1400	014	41.2	8	1	0348	0	343						
15	276	1	1	133	1045	6/11/60	007	1400	014	41.4	8	1	0508	0	435	6	207.9	04	7.8	06.3	2

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12-3-5																						
15-277	11	138	1050	0	6/16/0	007	14	00	01	4.24.8	11	0.974	0.508	61	48.5	0.3	3.0					2
15-278	11	139	1100	0	6/16/0	007	14	00	01	37.8	3.11	0.999	0.422									
15-279	11	130	1100	0	6/16/0	007	14	00	01	4.1.4	8.11	0.416	0.464	61	66.7	0.4	2.9					2
15-280	11	137	1120	0	6/16/0	007	14	00	01	40.7	8.11	0.326	0.290									
15-281	11	130	1145	0	6/16/0	007	14	00	01	48.0	8.11	0.960	0.448								39.6	(E3)
15-283	11	115	1150	0	6/16/0	007	14	00	01	40.4	8.11	0.188	0.231	61	98.0	0.6	1.4				49.5	2 (E3)
15-284	11	127	1210	0	6/16/0	007	14	00	01	40.0	8.11	0.420	0.374	61	44.1	0.3	4.1					2
15-287	11	130	1215	0	6/16/0	007	14	00	01	42.0	8.11	0.315	0.368	61	81.5	0.6	6.0				49.5	2 (E3)
15-289	11	132	1550	0	6/16/0	007	14	00	01	38.6	8.11	0.343	0.355	61	45.2	0.3	4.6					2
15-290	11	132	0725	0	6/12/0	009	07	00	01	3.0.8	11.1	0.350	0.398									

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-5	67	8-16	11-14	15	20	21-23	24	25	27-28	29	30	31-35	36	39	40	41-45	46-49	50	53-55	56-58	59	
15	272	111	125	0758	0612	009	02	00	01	14	16	8	11	0435	0663	6					42.7	(E4)	
15	297	111	136	1730	0715	007	14	00	01	44	08	21	0071	0077	7	1	45.2	029.4			1		
15	298	111	119	1830	0715	007	14	00	01	40	01	8	21	0059	0057	7	1	24.4	046.2			1	
15	300	111	134	0815	0716	007	14	00	01			8	11	0037	0212	6	1	91.4	028.7			(E1)	
15	301	111	137	0845	0716	007	14	00	01			8	11	0315	0235	6	1	74.6	038.3	06.3	33.0	(E2)	
15	302	111	130	0855	0716	007	14	00	01			8	21	0244	0292								
15	303	111	134	0925	0716	007	14	00	01	41	08	11	0227	0193	6	1	61.4	036.0			39.6	(E3)	
15	306	111	128	1025	0716	007	14	00	01	42	08	21	0248	0124	7	1	46.2	035.4			42.9	(E2)	
15	307	111	125	1040	0716	007	14	00	01	42	08	11	0150	0169	7	1	81.8	036.3			36.3	(E2)	
15	308	111	140	0745	0716	003	13	00	01			8	21	00218	0188	7	1	78.9	039.3			52.1	(E3)

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	309	11140	1	140	0800	071260	004	0300	01	400	811	1	03240	265	71	73.6	030.4	06.3	36.3	1	(E2)	
15	310	11116	1	116	0815	072360	004	0500	01	410	811	1	0128	0286	71	82.2	046.5	06.3	49.5	1	(E2)	
15	312	11125	1	125	0845	072360	004	0500	01	408	822	2	0048	0046	70	91.4	031.0	06.3	1	1		
15	313	11123	1	123		072360	004	0500	01		821	1	0067	0101	71	56.1	034.3	06.3	36.3	1	(E2)	
15	315	11125	1	125	0920	072360	004	0500	01	410	811	1	0110	0101	71	82.8	054	06.3	39.6	1	(E2)	
15	316	11124	1	124	0925	072360	004	0500	01	418	811	1	0050	0041	71	15.8	039.9	04.3	29.7	1	(E2)	
15	317	12113	1	2113	0930	072360	004	0500	01	441	822	2	0014	0025	00	74.9				1	1	
15	318	12095	1	2095	1110	072360	004	0500	01	428	822	2	0009	0010	00	71.3				1	1	
15	319	12113	1	2113		072360	004	0500	01		821	1	0041	0073	01	17.2	039.4	04.3	39.4	1	(E1)	
15	320	11122	1	122		072360	004	0500	01		822	2	0033	0033	80	83.8			04.3	1	1	

2000000

1000000

500000

250000

125000

62500

31250

15625

7812

3906

1953

976

488

244

122

61

30

15

7

3

1

0

0

0

0

0

0

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-338	338	1	1	122		081500	004	04	7501		822	20057	0066	80	70.0						1
15-339	339	1	1	132		081500	004	04	7501		822	20027	0029	80	82.5				06.3	29.7	(ET)
15-341	341	1	1	124		081500	004	04	7501		822	20035	0034	80	75.9				06.3		1
15-342	342	1	1	129		081500	004	04	7501		811	0055	0032	81	18.1				06.3		1
15-343	343	1	1	131		081500	004	04	7501		822	20091	0025	80	75.2				06.3		1
15-357	357	1	1	125	0850	081600	004	06	0001		811	00134	0112	71	44.9	0304	06.3				1
15-336	336	1	1	124	0845	081600	004	06	0001		811	00027	0034	71	13.5	034.3				36.3	(ET)
15-328	328	1	1	125	0850	081600	007	14	0001	39.4	811	00066	0057	81	07.6					23.1	(C2)
15-326	326	1	1	134	0905	081600	007	14	0001	40.9	821	0046	0060	81	04.2				04.7		1
15-321	321	1	1	126		072300	004	05	0001		821	0069	0054	77	109.9	026.4	06.3			35.0	(E3)
12-3-5	3-5	1	7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-42	43-44	45-48	49-52	53-55	56-58	59	

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	344	1	1	125			081500	00404	75	01		822	0026	0025	80	79.5				06.3		1
15	345	1	1	122			081500	00404	75	01		822	0029	0021	90	95.7				06.3		1
15	347	1	1	133			081500	00404	75	01		822	0026	0033	80	80.2				06.3		1
15	348	1	1	127			081500	00404	75	01		811	0045	0027	70	95.7	02	9.7	06.3			1
15	350	1	1	123			081100	00404	75	01		821	0029	0028	80	76.7				06.3	29.7	(E2)
15	352	1	1	141			081100	00404	75	01		822	0096	0065	80	83.5				06.3		1
15	353	1	1	127			081100	00404	75	01		822	0057	0047								
15	355	1	1	131			081100	00404	75	01		821	0057	0041	81	11.2				06.3		1
15	357	1	1	128			081100	00714	00	01		822	0029	0025	80	81.5				06.3		1
15	358	1	1	130			081100	00714	00	01		822	0036	0043	80	87.1				06.3		1

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	359	111	121				091160	007	14	00	01	82	2	0051	0	040	80	87.4		06.3		1
15	361	111	120				091160	007	14	00	01	82	2	0055	0	031	80	96.7		06.3	13.2	1
15	364	111	123				091160	004	04	75	01	81	1	0041	0	036	80	97.4		06.3		1
15	366	111	124				091160	004	04	75	01	81	2	0094	0	073	81	107.9		06.3		1
15	368	112	113				091160	004	04	75	01	82	2	0033	0	021	00	90.8				1
15	369	111	122				090961	004	04	75	01	82	2	0038	0	034						
15	371	111	122				090961	004	04	75	01	82	2	0149	0	141	31	85.8	05	4.4	06.3	1
15	373	112	114				090961	004	04	75	01	82	2	0069	0	066	01	110.8				1
15	374	112	107				090961	004	04	75	01	82	2	0010	0	010	0	68.6				1
15	376	111	121				090961	004	04	75	01	82	2	0031	0	041	80	82.5				1

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	378	11	121	1310	040961	004	04	75	01	27.1529	36	82	2	0028	0021	80	77.6		06.3		1	
15	379	12	111	1320	040961	004	04	75	01	40.08	36	82	2	0010	0009	00	77.2				1	
15	383	11	126	1315	040961	004	04	75	01	40.08	36	82	2	0039	0021	80	75.1				1	
15	388	11	128		041061	005	03	00	01			82	2	0015	0060	41	44.9	04	7.8		1	
15	370	12	113		041061	003	03	00	01			82	2	0007	0006	00	68.3				1	
15	391	11	144		041061	003	03	00	01			82	2	0157	0101	51	66.3	04	7.5	06.3	1	
15	392	11	122		041061	003	03	00	01			82	2	0173	0151	51	49.2	04	5.9	06.3	1	
15	393	11	129		041061	003	03	00	01			82	2	0084	0079	41	57.3	05	8.2	06.3	1	
15	394	11	128		050661	007	14	00	01			81	1	0356	0290	61	85.1	05	05	06.3	26.4	2
15	395	11	118		050661	007	14	00	01			81	1	0155	0172	61	75.2	05	3.1	06.3	33.0	2

(E2)

(E2)

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	396	11	125				050661	00714	0001			8	1	10663	0255	0155	1	55.1	045.7	06.3		2
15	317	11	133				050661	00714	0001			8	1	10433	0428							
15	318	11	135				050661	00714	0001			8	1	10280	0293	0189	51	87.4	052.8	04.2		2
15	399	11	128				050661	00714	0001			8	2	20280	0237							
15	401	11	120				050661	00714	0001			8	2	10180	0189	51	34.6	035.0	06.3		2	
15	404	11	120				050661	00714	0001			8	2	20047	0050	0102	6			06.3		1
15	405	11	121				050661	00714	0001			8	2	10141	0131	51	70.9	046.5	06.4		1	
15	409	11	129				1235-051161	00714	0001	42.2	8	1	1	10131	0141	51	55.1	035.3			1	
15	412	11	134				1220.051461	00303	0001		8	1	1	0214	0266	61	64.1	036.3	06.3	39.6		2
15	414	11	134				1235-051461	00303	0001		8	1	1	03260	295	61	92.1	049.5				

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-415	11118					05/28/61	004/047501				822	0054	0021								1
15-414	11120					05/18/61	004/047501				522	0025	0041	0104.3					06.3		1
15-418	11125					05/18/61	004/047501				811	0401	0495	6206.5	667.3						2
15-419	11123					05/18/61	004/047501				822	0024	0051	0047.0							1
15-420	11125					05/18/61	004/047501				811	0222	0415	6218.5	0511.2	06.3			06.3	96.3	2
15-422	11123					05/18/61	004/047501				822	0041	0036	8076.4							1
15-424	11125					05/18/61	004/047501				811	0222	00315								
15-425	11123					05/18/61	004/047501				822	0029	0030	8072.6					06.3		1
15-426	11122					05/18/61	004/047501				811	0338	0278	5175.2	042.2	06.3					2
15-428	12108					1350	004/060001				822	0016	0013	0088.8							1

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	427	12108				1320	660361	075	01	0001		82	2	0013	0011	0080.2				06.3		1
15	430	111119				0700	660461	074	04	0001		81	1	0287	0213	0204.6	05	1.7	06.3			1
15	431	111121				0745	660641	086	07	0001		81	1	0218	0104							
15	433	12100				1045	660641	086	07	0001		82	2	0071	0222	0094.4						1
15	435	111122				0910	660841	008	03	0001		81	1	0250	0250	0152.5	04	4.2			33.0	2
15	437	12098					660841	003	03	0001		82	2	0003	0003							
15	438	111128				0735	661541	007	14	0001		81	1	0169	0176							
15	439	111131				0755	661561	007	14	0001		81	1	0165	0141	0117.5	02	1.8	06.3	29.17	1	(E3)
15	440	111124				0850	661561	007	14	0001		81	1	0193	0223	0172.5	04	1.0				2
15	441	111109				0830	661561	007	14	0001		81	1	0251	0231	01630	03	9.9				2

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12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-39	40-46	47-52	53-55	56-58	59							
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	442	1	1	125		06/06/01	007	1400	01		811	0200	0214	7	1.38	0.35		0.35		39.6	(C)
15	443	1	1	124		06/06/01	007	1400	01		811	0151	0197	7	1	66.3	0.39	0.63			1
15	444	1	1	120	1000	06/06/01	007	1400	01		811	0210	0330	7	1	55.1	0.40	0.1			2
15	445	1	1	119		06/06/01	007	1400	01		811	0162	0169	6	1	65.0	0.47	0.5		34.3	(C)
15	446	1	1	127		06/06/01	007	1400	01		811	0181	0209	6	1	74.2	0.42	0.9	0.63		1
15	447	1	1	137		06/06/01	007	1400	01		811	0309	0308	6	1	64.0	0.33	0.63	39.6	(C)	
15	448	1	1	124		06/06/01	007	1400	01		811	0266	0266								
15	449	1	1	130		06/06/01	007	1400	01		811	0251	0226	6	1	81.8	0.40	0.9	0.63		1
15	450	1	1	135		06/06/01	007	1400	01		811	0193	0197	7	1	78.2	0.50	0.8	0.63		1
15	451	1	1	134	1015	06/06/01	004	0475	01	430	511	0197	0243	7	2	00.00	0.46	0.9	0.63		1

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	456	1	1	130	1040	061961	004	04	75	01		811	1	0410	0.525	7.2	04.0	05.3	0.8	06.3	42.1	2
15	457	1	1	132	0925	061961	004	04	75	01	40.2	811	1	0188	0.255	7.1	71.6	03.9	0.7	06.3		1
15	458	1	1	117	0855	061961	004	04	75	01		822	2	0030	0.031	8.1	00.0			06.3		1
15	459	1	1	125	0855	061961	004	04	75	01		811	1	0158	0.232	6.2	10.5	04.9	0.5	06.3	33.0	1
15	461	1	1	123	1047	061961	004	04	75	01		811	1	0119	0.161	7.2	02.0	04.5	0.9	06.3	26.4	1
15	462	1	1	122	1051	061961	004	04	75	01		811	1	0209	0.181	7.1	71.6	04.8	0.2	06.3	49.5	1
15	463	1	1	132		061961	004	04	75	01		811	1	0138	0.153							
15	465	1	1	117	1025	061961	004	04	75	01		811	1	0257	0.230	6.2	10.2	05.0	0.8	06.3		1
15	464	1	2	111	1030	061961	004	04	75	01	41.0	811	1	0094	0.141	7.1	88.1	04.5	0.9	06.3		1
15	467	1	2	104	1020	061961	004	04	75	01		822	2	0027	0.030							

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-470	11130				0955	61961	00404	7501			811	0402	0107	6260.4	0572.8						2
15-471	11123				1005	61961	00404	7501			811	0308	0235								
15-472	11128				0625	62561	00303	0001			811	0176	0161	7152.5	034.0						2
15-473	11135				0155	62561	00303	0001			811	0178	0128	6165.7	036.6	06.3					1
15-474	11122				0815	62561	00303	0001			811	0111	0105	6155.4	038.3	06.3					2
15-476	11214					71761	00404	7501			811	0051	0054	7129.0	034.6	06.3					1
15-477	11123					71761	00404	7501			811	0176	0177	6160.7	043.9					46.2	1
15-478	11120					71761	00404	7501			822	0018	0023	9088.1					06.3		1
15-479	11119					71761	00404	7501			811	0121	0141	7156.4	037.0						1
15-481	11125					71761	00404	7501			811	0173	0197	6161.4	038.3	06.3					1

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	482	111122					071761	004047501				822	00320	0268082.2								1
15	483	111124					071761	004047501				811	01100	01076167.3	040.6	06.3	04.3					1
15	484	111121					071761	004047501				811	01470	02327164.3	038.6	06.3	06.3	03.9				1
15	485	112114					071761	004047501				822	01020	01207138.7	041.2	06.3	06.3	29.7				1
15	487	111123					071761	004047501				822	00410	0308083.8								1
15	490	111123					071761	004047501				811	01130	02237211.5	052.1	06.3						1
15	492	111124					071761	004047501				822	00520	0597133.4	039.9	06.3						1
15	493	111127					071761	004047501				811	01310	01517187.8	048.8	06.3	23.1					1
15	497	111123					071861	007140001				811	01140	01137142.9	037.3	06.3						1
15	498	111133					071861	007140001				811	00790	06271034033.3								1

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12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-49	50-52	53-55	56-59						
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	515	1	1	12.6		8/14/61	005	0238	01		822	0057	0047	80	90.8				06.3		1
15	516	1	1	11.8		8/14/61	005	0238	01		822	0042	0042	80	82.8				06.3		1
15	517	1	1	12.6		8/14/61	005	0238	01		822	0026	0024	80	76.6				06.3		1
15	519	1	1	11.9		8/14/61	005	0235	01		822	0026	0035	80	75.6				06.3		1
15	520	1	1	12.3		8/14/61	005	0238	01		822	0047	0047	80	82.5				06.3	23.1	1
15	523	1	1	12.7		8/14/61	005	0238	01		822	0030	0021	80	79.2				06.3		1
15	524	1	1	12.2		8/14/61	005	0238	01		822	0033	0030	80	77.9				06.3		1
15	527	1	1	12.0		8/14/61	005	0238	01		822	0030	0045	80	93.7				06.3		1
15	528	1	1	12.6		8/14/61	005	0238	01		822	0030	0051	90	85.1				06.3		1
15	529	1	2	10.7		8/14/61	005	0238	01		822	0020	0014	80	74.9						1

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	530	12108					081461	0050238	01			822	2	0025	0018	0080.2				06.3		1
15	531	11120					081461	0050238	01			822	2	0041	0042	91000				06.3		1
15	532	11125					082161	0180500	01			805	2	0048	0048	8102.3				06.3		1
15	534	12114					082261	0030300	01			822	2	0034	0043	0116.5						1
15	535	11130					091661	0040475	01			855	8	22	0045	0048	082.2			06.3		1
15	536	12112					091661	0040475	01			820	8	22	0020	0020	0075.2					1
15	537	11126					091661	0040475	01			820	8	22	0073	0051	9102.0			06.3		1
15	538	11130					091661	0040475	01			855	8	22	0067	0051	9081.5			06.3		1
15	539	11123					091661	0040475	01			852	8	22	0034	0046	8078.5			06.3		1
15	540	11118					091661	0040475	01			852	8	22	0027	0023	8078.9			06.3		1

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	574	11	1	123			042362	007	14	00	01	384	02	20073	0141	3123.1	04	3.6	06.3		1	
15	575	11	1	129			042362	007	14	00	01		02	20113	0137	3134.6	03	6.0	06.3		1	
15	576	11	1	125			042462	004	04	75	01		11	0266	0192							
15	577	11	1	130			042462	004	04	75	01	400	11	0324	0122	6201.3	04	2.9	06.3		2	
15	579	11	1	121			042462	004	04	75	01	406	21	0398	0458							
15	580	11	1	130			042462	004	04	75	01	432	01	0548	0525							
15	584	11	1	120			042462	004	04	75	01		01	0222	0183	6208.5	05	1.5			2	
15	585	11	1	132			042462	004	04	75	01	410	11	0398	0420	6209.2	04	4.9			2	
15	587	11	1	130			042462	004	04	75	01	400	11	0351	0486							
15	588	11	1	129			050662	007	14	00	01		21	0173	0169	6169.4	04	2.9				



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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-589	111129					050662	00714	0001			0220173	0181							26.4	(27)
15-590	12108					050662	00714	0001			0220080	004								
15-591	12112					050662	00714	0001			0220038	00260	102.3							1
15-592	111125					050662	00714	0001			0220082	00794	122.1	041.9	06.3					1
15-593	111130					050662	00714	0001			2220038	00464	124.7	037.6	06.3					1
15-594	111135					050662	00714	0001			0220062	00602	105.6	026.4	06.3					1
15-596	111123					050662	00714	0001			0220102	00839	125.7					06.3		1
15-597	111131					050662	00714	0001			1110341	02826	186.4	049.2					23.1	(28)
15-599	111125					050662	00714	0001			0220181	02935	191.4	050.5						2
15-600	111127					050662	00714	0001			0220303	03035	151.8	039.6						2

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-603	11133	11	133	1120	6571362	003	030001	731	0295	0285	6201.6	046.9	06.3	1							
15-604	12113	12	113	1240	003	030001	410.3	2	0024	0016	0075.2			1							
15-608	111133	11	133	1415	003	030001	415.3	11	0320	0355	6231.3	055.8	06.3	1							
15-609	111127	11	127	1030	003	030001	011	011	0362	0360	6224.7	045.3	06.3	1							
15-610	111127	11	127	1100	003	030001	011	011	0402	0179	6164.3	039.3		2							
15-611	111120	11	120	1155	003	030001	011	011	0407	0439	6215.2	056.8		1							
15-612	111135	11	135	1205	003	030001	011	011	0309	0415											
15-615	111131	11	131	1215	003	030001	011	011	0328	0343	6174.9	037.0	06.3	2							
15-618	111130	11	130	1300	003	030001	011	011	0185	0181	6144.5	038.9		1							
15-619	111125	11	125		003	030001	011	011	0094	0091	6137.9	035.0	06.3	1							

(E2)

(E2)

(E2)

(E2)

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1-2	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-49	50-52	53-55	56-59	60-69					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-620	11	135			60502	007	14	00	01	42.0	011	0232	0282	61	64.3	0.4	1.2			39.6	(E4)
15-621	11	130			60562	007	14	00	01	41.5	012	0047	0026	80	72.3				06.3		1
15-622	11	135			0930	003	03	00	01	41.4	011	0286	0300	61	65.7	04	4.2	06.3	42.9	(E3)	2
15-623	12	113			1020	003	03	00	01	42.4	012	0115	0128	01	65.0	04	7.8				1
15-627	11	123			0715	004	04	75	01	38.0	011	0280	0280								
15-628	11	119			0745	004	04	75	01	40.0	011	0209	0214	61	72.3	04	4.9	06.3			2
15-629	11	118			0810	004	04	75	01	42.2	011	0232	0250	61	75.9	05	0.2				1
15-632	11	115			0850	004	04	75	01	41.5	011	0227	0275	61	62.4	03	4.3				2
15-633	11	118			0850	004	04	75	01	40.5	011	0324	0344	61	60.6	03	3.0				
15-634	11	115			0850	004	04	75	01	39.5	011	0151	0203	71	74.9	04	1.2				2

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	635	11125				0915	062162	00404	7501	43.0	011	0298	0324	61	97.5	045.4						2
15	636	11212				0945	062162	00404	7501	43.4	011	0217	0151	61	96.8	034.3						330
15	637	11116				1000	062162	00404	7501	43.2	011	0096	0089	71	51.8	033.7						1
15	638	11127				1020	062162	00404	7501	45.0	011	0151	0161	71	38.3	037.0						49.5
15	641	11117				0845	062162	00404	7501	40.2	011	0141	0118	61	12.2	016.5						1
15	642	112112				0902	062162	00404	7501	43.0	022	0027	0026	60	94.4							1
15	643	11118				0915	062162	00404	7501	40.6	011	0131	0130	61	38.6	034.1						1
15	645	11118				0920	062162	00404	7501	42.0	011	0184	0108	71	93.9	044.9						330
15	646	11120				0915	062162	00404	7501	40.2	011	0141	0157	71	85.1	038.5						26.4
15	648	11120				0930	062162	00404	7501	42.5	011	0073	0039	71	28.3	034.1						1

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15-649	11122	11	122	0935	071162	00404	0475	0140.8	0110169	0172	71	62.0	048.5							39.6	1
15-650	11125	11	125	0938	071162	00404	75	0142.5	0110228	0223	71	78.7	046.2							42.9	2
15-652	11124	11	124	0955	071162	00404	75	0143.7	0110151	0197	71	77.7	043.8							59.6	1
15-653	11126	11	126	1000	071162	00404	75	0144.5	0110179	0170	71	29.6	038.2								2
15-655	11120	11	120	1010	071162	00404	75	0144.8	0110193	0150	71	74.2	032.6								2
15-658	11123	11	123	1005	071762	00714	00	0142.6	0220030	0036	80	83.8								19.8	1
15-659	12110	12	110	1025	071762	00714	00	0141.0	0220013	0003	00	69.0									1
15-660	11129	11	129	1105	071762	00714	00	0143.4	0220071	0097	80	93.1							26.3		1
15-661	11120	11	120	1110	071762	00714	00	0141.6	0220034	0039	80	84.5								09.9	1
15-662	11122	11	122	1115	071762	00714	00	0142.0	0220036	0027	80	81.5									1

(E2)

(E3)

(E3)

(E2)

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
15	664	11120				1020	071962	004	060001	318	1120165	0162	71	76.2	0.1	6.5	06.3					1
15	665	11123				1000	071962	004	060001	408	2110236	0193	71	65.7	0.3	9.9					39.6	2
15	668	11124				1145	071962	004	060001	440	0220665	0077	91	31.3			06.3					1
15	669	11131				0920	072062	003	030001	436	2110142	0101	71	17.2	0.4	2.9						2
15	670	11127				1020	080162	003	030001	420	3220025	0034	80	84.2			06.3					1
15	674	11124				0940	080862	004	047501	414	0120087	0083	71	34.4	0.2	8.3	06.3					1
15	677	11125				0955	080862	004	047501	410	0110151	0246	71	59.1	0.4	2.6	06.3					1
15	678	11122				1005	080862	004	047501		1110128	0108	71	69.4	0.3	7.0	06.3					1
15	679	11118				1035	080862	004	047501	430	1110106	0112	71	52.1	0.4	0.3	06.3					1
15	682	11131				1040	081662	007	140001		1220075	0023	80	96.4			06.3					1

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	684	12112				1140	081062	007	14	0001	41.2	123	0024	0024	0024	0021	0075.6					1
15	685	12113				1145	081062	007	14	0001	42.0	022	0011	0013	0066.7							1
15	686	11127				0155	090662	004	04	7501	42.0	022	0032	0037	8081.5							1
15	687	11125				1030	090662	004	04	7501	42.0	022	0052	0036	8109.9							1
15	688	11118				1040	090662	004	04	7501	42.0	012	0045	0043	82112.9							1
15	691	11180				1110	090662	004	04	7501	43.6	022	0045	0041	8082.1							1
15	694	11123				1045	091163	004	04	7501	35.8	021	0241	0183								
15	696	11122				1050	091263	007	14	0001		022	0045	0039	9101.6							1
15	698	11133				1120	091263	007	14	0001	40.6	022	0308	0362								
15	699	11128				1140	091263	007	14	0001	35.4	022	0251	0225								

Animal No.

Sex

Age

S-V length

Time

Date _____

Locality

Elevation

Habitat

Temperature

Breeding Color

Sperm

Epididymis

Left testis
volume

Rt. testis
volume

Condition

Sem. tubule
diameter

Sem. epithelial
height

Interstitial cell
nuclear diam.

Epid. epith.
height

Sertoli cells

MANUSCRIPT IN PAPER

PARMESORIA N° 1-100

th

[illegible]

[illegible]

PHRINOSOMA MCALLI																							
Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	055	12	055	12	055	12	055	12	055	12	055	12	055	12	055	12	055	12	055	12	055	12	055
12	056	12	056	12	056	12	056	12	056	12	056	12	056	12	056	12	056	12	056	12	056	12	056
12	057	12	057	12	057	12	057	12	057	12	057	12	057	12	057	12	057	12	057	12	057	12	057
12	058	12	058	12	058	12	058	12	058	12	058	12	058	12	058	12	058	12	058	12	058	12	058
12	059	12	059	12	059	12	059	12	059	12	059	12	059	12	059	12	059	12	059	12	059	12	059
12	060	12	060	12	060	12	060	12	060	12	060	12	060	12	060	12	060	12	060	12	060	12	060
12	061	12	061	12	061	12	061	12	061	12	061	12	061	12	061	12	061	12	061	12	061	12	061
12	062	12	062	12	062	12	062	12	062	12	062	12	062	12	062	12	062	12	062	12	062	12	062
12	063	12	063	12	063	12	063	12	063	12	063	12	063	12	063	12	063	12	063	12	063	12	063
12	064	12	064	12	064	12	064	12	064	12	064	12	064	12	064	12	064	12	064	12	064	12	064
12	065	12	065	12	065	12	065	12	065	12	065	12	065	12	065	12	065	12	065	12	065	12	065
12	066	12	066	12	066	12	066	12	066	12	066	12	066	12	066	12	066	12	066	12	066	12	066
12	067	12	067	12	067	12	067	12	067	12	067	12	067	12	067	12	067	12	067	12	067	12	067
12	068	12	068	12	068	12	068	12	068	12	068	12	068	12	068	12	068	12	068	12	068	12	068
12	069	12	069	12	069	12	069	12	069	12	069	12	069	12	069	12	069	12	069	12	069	12	069
12	070	12	070	12	070	12	070	12	070	12	070	12	070	12	070	12	070	12	070	12	070	12	070
12	071	12	071	12	071	12	071	12	071	12	071	12	071	12	071	12	071	12	071	12	071	12	071
12	072	12	072	12	072	12	072	12	072	12	072	12	072	12	072	12	072	12	072	12	072	12	072
12	073	12	073	12	073	12	073	12	073	12	073	12	073	12	073	12	073	12	073	12	073	12	073
12	074	12	074	12	074	12	074	12	074	12	074	12	074	12	074	12	074	12	074	12	074	12	074
12	075	12	075	12	075	12	075	12	075	12	075	12	075	12	075	12	075	12	075	12	075	12	075
12	076	12	076	12	076	12	076	12	076	12	076	12	076	12	076	12	076	12	076	12	076	12	076
12	077	12	077	12	077	12	077	12	077	12	077	12	077	12	077	12	077	12	077	12	077	12	077
12	078	12	078	12	078	12	078	12	078	12	078	12	078	12	078	12	078	12	078	12	078	12	078
12	079	12	079	12	079	12	079	12	079	12	079	12	079	12	079	12	079	12	079	12	079	12	079
12	080	12	080	12	080	12	080	12	080	12	080	12	080	12	080	12	080	12	080	12	080	12	080
12	081	12	081	12	081	12	081	12	081	12	081	12	081	12	081	12	081	12	081	12	081	12	081
12	082	12	082	12	082	12	082	12	082	12	082	12	082	12	082	12	082	12	082	12	082	12	082
12	083	12	083	12	083	12	083	12	083	12	083	12	083	12	083	12	083	12	083	12	083	12	083
12	084	12	084	12	084	12	084	12	084	12	084	12	084	12	084	12	084	12	084	12	084	12	084
12	085	12	085	12	085	12	085	12	085	12	085	12	085	12	085	12	085	12	085	12	085	12	085
12	086	12	086	12	086	12	086	12	086	12	086	12	086	12	086	12	086	12	086	12	086	12	086
12	087	12	087	12	087	12	087	12	087	12	087	12	087	12	087	12	087	12	087	12	087	12	087
12	088	12	088	12	088	12	088	12	088	12	088	12	088	12	088	12	088	12	088	12	088	12	088
12	089	12	089	12	089	12	089	12	089	12	089	12	089	12	089	12	089	12	089	12	089	12	089
12	090	12	090	12	090	12	090	12	090	12	090	12	090	12	090	12	090	12	090	12	090	12	090
12	091	12	091	12	091	12	091	12	091	12	091	12	091	12	091	12	091	12	091	12	091	12	091
12	092	12	092	12	092	12	092	12	092	12	092	12	092	12	092	12	092	12	092	12	092	12	092
12	093	12	093	12	093	12	093	12	093	12	093	12	093	12	093	12	093	12	093	12	093	12	093
12	094	12	094	12	094	12	094	12	094	12	094	12	094	12	094	12	094	12	094	12	094	12	094
12	095	12	095	12	095	12	095	12	095	12	095	12	095	12	095	12	095	12	095	12	095	12	095
12	096	12	096	12	096	12	096	12	096	12	096	12	096	12	096	12	096	12	096	12	096	12	096
12	097	12	097	12	097	12	097	12	097	12	097	12	097	12	097	12	097	12	097	12	097	12	097
12	098	12	098	12	098	12	098	12	098	12	098	12	098	12	098	12	098	12	098	12	098	12	098
12	099	12	099	12	099	12	099	12	099	12	099	12	099	12	099	12	099	12	099	12	099	12	099
12	100	12	100	12	100	12	100	12	100	12	100	12	100	12	100	12	100	12	100	12	100	12	100
12	101	12	101	12	101	12	101	12	101	12	101	12	101	12	101	12	101	12	101	12	101	12	101
12	102	12	102	12	102	12	102	12	102	12	102	12	102	12	102	12	102	12	102	12	102	12	102
12	103	12	103	12	103	12	103	12	103	12	103	12	103	12	103	12	103	12	103	12	103	12	103
12	104	12	104	12	104	12	104	12	104	12	104	12	104	12	104	12	104	12	104	12	104	12	104
12	105	12	105	12	105	12	105	12	105	12	105	12	105	12	105	12	105	12	105	12	105	12	105
12	106	12	106	12	106	12	106	12	106	12	106	12	106	12	106	12	106	12	106	12	106	12	106
12	107	12	107	12	107	12	107	12	107	12	107	12	107	12	107	12	107	12	107	12	107	12	107
12	108	12	108	12	108	12	108	12	108	12	108	12	108	12	108	12	108	12	108	12	108	12	108
12	109	12	109	12	109	12	109	12	109	12	109	12	109	12	109	12	109	12	109	12	109	12	109
12	110	12	110	12	110	12	110	12	110	12	110	12	110	12	110	12	110	12	110	12	110	12	110
12	111	12	111	12	111	12	111	12	111	12	111	12	111	12	111	12	111	12	111	12	111	12	111
12	112	12	112	12	112	12	112	12	112	12	112	12	112	12	112	12	112	12	112	12	112	12	112
12	113	12	113	12	113	12	113	12	113	12	113	12	113	12	113	12	113	12	113	12	113	12	113
12	114	12	114	12	114	12	114	12	114	12	114	12	114	12	114	12	114	12	114	12	114	12	114
12	115	12	115	12	115	12	115	12	115	12	115	12	115	12	115	12	115	12	115	12	115	12	115
12	116	12	116	12	116	12	116	12	116	12	116	12	116	12	116	12	116	12	116	12	116	12	116
12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117
12	118	12	118	12	118	12	118	12	118	12	118	12	118	12	118	12	118	12	118	12	118	12	118
12	119	12	119	12	119	12	119	12	119	12	119	12	119	12	119	12	119	12	119	12	119	12	119
12	120	12	120	12	120	12	120	12	120	12	120	12	120	12	120	12	120	12	120	12	120	12	120
12	121	12	121	12	1																		

PHRYNOSOMA M'CALLI

FHRING SOMA MC CALLI																								
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells		
12	059	11073	17	8-16	11-14	15	20	21-23	24	27	29	34	35	36	39	41	43	44	48	49	52	53-55	56-58	59
12	060	11075	11	075	1730	060761	003	03	0000	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1	60		
12	061	11074	0715	060821	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	062	11072	0745	060861	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	065	11074	0715	060821	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	069	11061	0615	062561	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	076	11074	1820	071061	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	092	11071	0930	071761	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	093	11083		072361	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						
12	084	11061	1720	072161	003	03	0000	3	12	11	0024	0018	6	170.9	048.2	06.3	19.8	1						

PHRINOSOMA M'CALLI

PHRYNOSOMA M'CALLI																						
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	085	1	7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59-60	
12	086	1	10	10	1735	072161	003	03	01	4	10	11	0205	0205	0205	6	180	2.03	7.0	06.3	36.3	(E2)
12	088	1	10	10	1834	072161	003	03	01	3	36	11	0213	0213	0213	7	247	0.4	2.6	06.3	49.5	(E2)
12	089	1	10	10	0615	072261	003	03	01	3	31	12	0241	0241	0241	8	125		06.3			1
12	090	1	10	10	0640	072261	003	03	01	3	32	11	0236	0236	0236	6	234	0.5	7.4	06.3		1
12	096	1	10	10	0855	072261	003	03	01	3	27	11	0141	0141	0141	6	192	0.4	0.9	06.3		1
12	097	1	10	10	0915	072261	003	03	01	3	38	11	0204	0204	0204	6	258	0.5	2.5	06.3		1
12	099	1	10	10	1710	072261	003	03	01	4	08	11	0204	0204	0204	6	219	0.4	7.8	06.3		1
12	102	1	10	10	0655	072361	003	03	01	3	44	11	0230	0230	0230	6	212	0.4	1.2		2	
12	104	1	10	10	0850	072361	003	03	01	3	32	11	0213	0213	0213	6	241	0.5	5.8	06.3	39.6	(E2)
12	105	1	10	10	1000	072361	003	03	01	3	30	11	0147	0147	0147	7	389	0.4	7.2	06.3	42.9	(E2)

PHRYNOSOMA M'CALLI

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12 128	1108	1	1	0.73	0730	0126	003	23	07	30	11/1	0009	0009	0009	0009	41	67.0	0.3	06.3	79.6	1
12 129	1107	1	1	0.82	0820	0126	003	23	04	00	11/1	0009	0009	0009	0009	71	95.4	0.4	06.3		1
12 129	1107	1	1	0.70	0735	0136	003	03	00	01	38	01/1	0041	0041	0041	71	93.4	0.4	06.3	30.3	1
12 123	1107	1	1	0.76	0815	0136	003	03	00	01	39	01/1	0028	0028	0028	72	13.8	0.4	06.3		1
12 127	1106	1	1	0.62	1725	0116	005	03	00	01	38	01/1	0009	0009	0009	00	52.8				1
12 128	1106	1	1	0.64	1740	0116	003	03	00	01	37	01/1	0005	0005	0005	81	26.7		06.3		1
12 129	1106	1	1	0.62	0953	0116	003	03	00	01	38	01/1	0005	0005	0005	00	58.3		06.3		1
12 133	1107	1	1	0.76	1125	0106	004	04	75	01	32	01/1	0013	0013	0013	80	84.0		06.3	19.8	1
12 134	1107	1	1	0.75	0900	0076	003	03	00	01	32	01/1	0029	0029	0029	80	79.3		06.3		1
12 136	1107	1	1	0.74	1010	0076	003	03	00	01	34	01/1	0017	0017	0017	80	69.0			16.5	1



PHRYNOSOMA M'CALLI

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12 133	12 079					24/4/62	003 03	0150	0150	4/6	16	16	0000	0000	0000						
12 140	12 073					04/4/62	003 03	0100	0100	304	101	101	0000	0000	0000						
12 141	12 076					04/4/62	003 03	0100	0100	308	101	101	0000	0000	0000						
12 144	12 081					18/3	003 03	0000	0000	300	101	101	0000	0000	0000						
12 147	12 081					04/4/62	003 03	0000	0000	300	101	101	0000	0000	0000						
12 150	12 085					04/4/62	003 03	0000	0000	352	101	101	0000	0000	0000						
12 153	12 077					04/4/62	004 04	0000	0000	011	010	010	0000	0000	0000						
12 154	12 086					05/3/62	003 03	0000	0000	012	004	004	0000	0000	0000						
12 155	12 073					14/5	003 03	0000	0000	356	101	101	0000	0000	0000						
12 156	12 072					14/5	003 03	0000	0000	350	101	101	0000	0000	0000						

PHRYNOSOMA M'CALLI

PHRYNOSOMA M'CALLI																									
12	3-5	6-7	8-16	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35	36	39	40	43-44	45	49	49	52	53-55	51-53	54-59	60
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells				
12/158	11/0039			1220	05:36Z	000003	000003	000003	000003	38.4	11	11	0056	138	6	2	07.6	48.2			1				
12/159	11/0071			1222	05:36Z	000003	000003	000003	000003	38.4	11	11	0056	138	6	1	07.0	45.9	06.3		1				
12/160	11/0091			1035	05:20Z	000003	000003	000003	000003	37.0	11	11	0081	065	6	1	71.9	44.2			1				
12/162	11/0071			1215	05:36Z	000003	000003	000003	000003	38.4	11	11	0151	0151	6	2	06.6	44.9	06.3		1				
12/163	11/076			1305	05:36Z	000003	000003	000003	000003	35.0	11	11	0163	0163	6	1	79.8	44.9			2				
12/165	11/081			1420	05:13Z	000003	000003	000003	000003	36.8	11	11	0254	0254	6	2	09.9	43.2	06.3		1				
12/166	11/079			0805	05:36Z	000003	000003	000003	000003	31.0	11	11	0237	0237	6	1	92.1	45.9	06.3		2				
12/167	11/077			0805	05:36Z	000003	000003	000003	000003	36.8	11	11	0228	0228	6	1	82.2	48.2	06.3		1				
12/169	11/077			0710	07:16Z	000003	000003	000003	000003	36.8	11	11	0251	0251	6	1									
12/170	11/074			0805	07:16Z	000003	000003	000003	000003	36.8	11	11	0173	0173	6	1	88.4	36.6			2				

PHRYNOSOMA MCALLI

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	173	11076				0810	1962	002	030000	01	35.0	11	1	0.18	0.18	0.18					42.9	(E2)
12	182	11076					1962	003	000000					0.18	0.18	0.18						(E2)
12	183	11077					1962	003	000001													(E2)
12	184	11072				0720	080462	003	030000	01	35.0	11	1	0.14	0.14	0.14					1	
12	188	11076				0845	080462	003	030000	01	39.2	11	1	0.24	0.24	0.24					2	
12	190	11076				0855	080462	003	030001	01	41.0	11	1	0.14	0.14	0.14					2	
12	192	11076				0930	080462	003	030003	01	41.0	11	1	0.26	0.26	0.26					2	(E2)
12	193	11076				0825	080562	003	030001	01	38.0	11	1	0.18	0.18	0.18					1	
12	195	11076				0810	080562	003	030001	01	39.4	11	1	0.16	0.16	0.16					1	
12	196	11075				0755	080662	004	040001	01	39.0	11	1	0.12	0.12	0.12					36.3	(E2)

THIRNSOM, A. C. L.

[illegible]

Sauromalus obesus

SAURONALUS OBESUS

SAUROMACRUS COLEUS

12	3-5	6	7	8-10	11-14	15	20	21-23	24	27	28-29	30	31-32	33-34	35	36	37	40	41-43	44	45	46	47-48	49	49	52	53-55	56-58	59	60
17001	11198					040159	056			07			888	07920	0844	241.7	00	7.6	06.3			1								
17002	12107					32859	090	30	00	07			888	0255	0302	3101.0	04	7.8	06.3			1								
17004	12157					51659	013	28	00	07			888	0095	0000	0102.0					1									
17006	11196					051659	013	28	00	07			888	0092	0232	4103.4	02	6.4	06.3			1								
17007	11170					051659	013	27	00	07			811	06791	024															
17008	11189					051659	013	27	00	07			811	10669	0791															
17009	11181					051659	013	27	00	07			811	1125	1114	0155.8	03	3.0	06.3	26.4	1									
17013	11193					41260	007	15	00	07			521	08520	07736	203.9	05	7.1	06.6			1								
17016	11196					51460	005	20	00	07			811	10051	139	61	79.5	04	0.6	06.3			1							
17017	11173					52160	049	28	00	07			811	1167	1680	62	30.3	05	2506.6			1								

(65)

SAURIMATI DUESIS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
17 019	11195	1	195	1400	052260	00720	00720	0007	0007	811	1026	1091	62	07.3	0534	046					2
17 021	11193	1	193	1600	061160	00720	00720	0007	0007	811	1182	1222	62	2.51.8	0558	26.4				39.6	1
17 022	11205	1	205	1615	061160	00720	0007	0007	0007	811	1083	1083									
17 023	11212	1	212	1620	061160	00720	0007	0007	0007	811	0998	311	62	29.4	0528	04.6					1
17 024	11197	1	197	1635	061160	00720	0007	0007	0007	811	0968	144	62	05.4	0459	04.3					
17 026	11192	1	192	1650	061160	00720	0007			811	1280	713	61	93.0	040.8	06.4					1
17 027	11200	1	200	1700	061160	00720	0007			811	1058	427	62	21.8	0541.1	06.4					1
17 030	11200	1	200	1810	061160	00719	0007			811	1680	333	71	87.1	044.9	06.3					1
17 031	11210	1	210	1820	061160	00719	0007			811	1179	294	62	16.2	042.2	06.3					1
17 032	11210	1	210	1830	061160	00719	0007			811	1347	665	62	19.7	048.8	06.3					1

SAURIMANUS ORISUS

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
17033	11180					071760	01323	0007			822	0141	0185								
17034	11194					071760	01328	0007			822	0275	0116								
17035	11176					071760	01328	0007			822	0077	0074	8058.8							1
17036	11178					080960	00115	0007			822	0080	0075	8050.2							1
17037	11173					081060	00725	0007			822	0065	0059	8069.3							1
17038	11206					050661	00720	0007			822	0210	0235	9098.7							1
17039	11179					060561	08319	0007			811	0441	0531	6165.0	050.0	06.3	23.1				(33)
17040	11174					060561	08319	0007			811	0282	0362	6182.5	041.6	06.3					1
17041	11185					060761	05305	0007			821	0282	0269	6150.7	0335	06.3					2
17042	12139					060761	05303	7507			821	0061	0089	0108.0							1

SAUROPSIDAE TESTES

SAUROPHATIS OREOIS																					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	4	7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-46	47-49	50-52	53-55	56-59	60		
17	045	1	1	202		082061	007	20	00	07	862	0075	0	082	86	70.0			04.2		1
17	046	1	1	178		082061	007	20	00	07	841	0071	0	086	80	73.3			06.3		1
17	049	1	1	186		041562	081		07		031	1370	0975	5	2	73.9	05	2.3			2
17	050	1	1	197		041562	081		07		211	1382	1	168	5	2	17.5	04	9.5		2
17	051	1	1	195		041562	081		07		301	1360	1	576	3	2	23.8	04	1.4	04.6	2
17	052	1	1	190		050562	013	29	00	07	311	1174	1	625	6	1	96.4	04	1.6	06.3	2
17	053	1	1	191		050562	013	29	00	07	311	1338	1	524	4	2	53.1	03	8.9	06.3	2
17	054	1	1	177		050562	013	29	00	07	311	1455	1	229	0	1	78.5	03	8.6	04.2	1
17	055	1	1	185		050562	013	29	00	07	211	1592	1	382	4	2	19.1	04	5.2	06.3	1
17	056	1	1	202		050562	013	29	00	07	111	2306	2	090							46.2
																					(53)

(53)

1. Name

2. Address

3. City

4. State

5. Zip

6. Phone

7. Email

8. Date

9. Signature

10. Print Name

11. Title

12. Company

13. Fax

14. Notes

15. Remarks

16. Comments

17. Other

18. Date

19. Signature

20. Print Name

21. Title

22. Company

23. Fax

24. Notes

25. Remarks

26. Comments

27. Other

28. Date

29. Signature

30. Print Name

31. Title

32. Company

33. Fax

	Species No.
	Animal No.
	Sex
	Age
	S-V length
	Time
	Date
	Locality
	Elevation
	Habitat
	Temperature
	Breeding Color
	Sperm
	Epididymis
	Left testis volume
	Rt. testis volume
	Condition
	Sem. tubule diameter
	Sem. epithelial height
	Interstitial cell nuclear diam.
	Epid. epith. height
	Sertoli cells

SCELOPORUS MAGISTER

SCALOPORUS MAGISTER

Sertoli cells

SCELOPORUS MAGISTER											
12	3-5	17	8-16	11-14	15	20	21-23	24	27-29	30-32	33-35
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color
											Sperm
											Epididymis
											Left testis volume
											Rt. testis volume
											Condition
											Sem. tubule diameter
											Sem. epithelial height
											Interstitial cell nuclear diam.
											Epid. epith. height
											Sertoli cells
03	001	11	093	1428	0	4459	061	35	60	05	816
03	003	12	084	1450	0	42459	007	40	00	05	816
03	004	12	078	1526	0	50359	010	33	00	05	836
03	005	11	088	1515	0	50959	010	33	00	05	816
03	006	11	107	1640	0	50859	081	32	50	07	811
03	011	11	095	1535	0	60959	007	36	00	07	811
03	012	12	075	1550	0	60959	007	38	00	07	822
03	013	11	092	0900	0	62359	014	42	00	05	811
03	016	12	075	1135	0	62359	061	35	00	05	842
03	017	12	057	1205	0	62359	061	34	50	05	842

SCeloporus MACISTER

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
03-019	111055						050258	081	950000	07		88	0004	0033	1							1
03-020	111055						050258	010	330000	05		88	0101	0024	1							1
03-023	111055						050258	006	270000	05		58	0101	0038	0025	80	66.3					1
03-024	111055						050258	006	270000	05		37	0101	0067	0063	80	71.7					1
03-025	111055						050258	004	350000	05		19	0101	0026	0022	80	76.6					1
03-026	111055						050258	014	345000	05		15	0101	0033	0030	80	82.2					1
03-027	111055						050258	006	250000	05		15	0101	0032	0031	80	81.8					1
03-028	120555						050258	014	350000	05		88	0101	0022	0001							
03-029	120555						050258	006	250000	05		88	0101	0023	0006	80	49.2					1
03-030	120555						050258	006	270000	05		88	0101	0027	0001	80	32.7					1

		Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-15	6	7	8-10	11-14	15	-	20	21-23	24-	27	28-29	30-32	33-34	35	36	37-39	40	41-43	44-46	47-49	49	51	53-55	56-58	59
03	031	1	2	060	0645	0	72559	006	27	50	05	3	38	8	2	2	0002	0	001	0	002	0	002	0	0	32.3
03	033	1	2	059	0635	0	71559	006	27	50	05	3	43	8	2	2	0001	0	001	0	001	0	001	0	0	34.3
03	034	1	2	075	1020	0	71559	006	28	50	05	3	56	8	2	2	0005	0	003	0	044.9				1	
03	047	1	2	083	0825	0	72959	014	39	50	05	3	32	5	2	2	0013	0	009	0	057.4				1	
03	048	1	1	109	1030	0	72959	014	39	50	05	3	55	8	2	2	0045	0	030	0	033.8				1	
03	049	1	1	104	1840	0	72959	014	42	00	05	2	96	8	2	2	0027	0	024	0	025.9				1	
03	051	1	2	062	1205	0	72959	010	33	50	05	3	70	8	2	2	0002	0	002	0	040.9				1	
03	055	1	2		1635	0	82559	006	26	00	01		8	2	2	2	0001	0	004	0	045.9				1	
03	057	1	2	077	1555	0	82059	007	27	00	01	3	18	8	2	2	0006	0	005	0	040.9				1	
03	058	1	2	081	0725	0	82559	006	27	50	05	3	22	8	2	2	0013	0	008	0	058.7				1	

[illegible]

SCeloporus MacGISTER

SCeloporus magister																						
12-3-5	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
03 080	11	100	0900	091459	00625	00050	0503	45.8	22	0003	00053	00057	90	86.8							1	
03 083	11	099	1020	091459	00625	00053	0503	45.8	22	0003	00053	00057	80	66.6							1	
03 084	12	059	1103	091459	00626	00053	0503	45.8	22	0003	00053	00057	80	41.6							1	
03 085	12	064	1245	091459	00627	00053	0503	45.8	22	0003	00053	00057	80	43.2							1	
03 086	12	073	0907	091559	00627	00053	0503	45.8	22	0003	00053	00057	80	71.9							1	
03 087	11	097	1235	091559	00637	00051	0503	45.8	22	0003	00053	00057	80	17.8							1	
03 088	11	095	1215	091559	00629	00053	0503	45.8	22	0003	00053	00057	80	17.8							1	
03 092	11	094	1300	091559	00627	00053	0503	45.8	22	0003	00053	00057	80	17.8							1	
03 094	11	101	1445	091559	00625	00053	0503	45.8	22	0003	00053	00057	80	17.8							1	
03 096	11	102	1535	091559	00627	00053	0503	45.8	22	0003	00053	00057	80	17.8							1	

		SCeloporus MACISTER																					
		Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	4	7	8-10	11-14	15	-	20	21-23	24-27	28-32	33-35	36-39	40-42	43-45	46-49	50-52	53-55	56-58	59-60			
03	097	1	1090	1545	101159	006	27	0005	3	41	3	22	0128	10	143	51	65.00	4.2					1
03	099	1	1098	1620	101159	006	27	0005	3	26	3	22	0098	10	105								
03	100	1	1103	1640	101159	006	28	0005	3	10	3	22	0128	10	119	91	45.9						1
03	102	1	1107	1125	031060	006	27	0005	3	10	3	22	0259	10	278	81	73.2	05	4.1				1
03	104	1	1111	1105	031060	006	27	0005	3	28	3	22	0425	10	328	31	94.4	06	3.4				1
03	105	1	1089	1145	031060	006	26	0001	3	2	2	20	0207	10	161	91	52.5						1
03	106	1	1105	1715	031960	006	29	0001	3	32	3	22	0341	10	282	32	10.7	07	4.5				2
03	107	1	1100	1635	040260	014	41	50	05	3	39	8	21	0422	10	203	51	97.3	05	4.8			1
03	109	1	1085	1645	040260	006	27	0005	3	3	8	22	0272	10	184	41	67.6	04	8.8				1
03	110	1	1105	1725	040260	006	27	0005	3	10	3	22	0448	10	348	51	88.4	05	4.1				1

SCeloporus MACISTER

12	3-5	17	8-10	11-14	15	20	21-23	24	27-29	30-32	33-34	35-36	37-39	40	43-44	45-49	49	51-53	53-55	56-58	59
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
03/112	11/102			1325	0520	660	010	32	00	05	8/11	0227	0144	6	181.8	04	0.3				1
03/113	11/052			1310	0520	660	010	32	00	05	8/11	0110	0111	6	195.4	04	2.9				1
03/115	11/106			1325	0520	660	010	32	00	05	8/11	0108	0107	6	185.5	04	0.4				1
03/118	11/114			1510	0521	660	007	40	00	05	8/11	0161	0168	6	170.9	03	9.3				2
03/120	11/088				0716	660	010	32	00	05	8/11	0010	0008	8	10	64.0					1
03/121	11/111				0716	660	010	32	00	05	8/11	0039	0034	8	10	70.0					1
03/122	11/114				0527	661	013	37	00	05	8/11	0224	0134	6	189.2	04	1.6				2
03/123	11/119				0507	661	013	37	00	05	8/11	0348	0298	6	231.0	05	9.4				2
03/125	11/110			1140	0822	661	003	03	00		3/2	0130	0125	8	0	91.7					1
03/126	11/100				0930	661	007	14	00	01	3/2	0027	0024	9	0	99.7					1

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SCELOPORUS MACISTER

SCELOPORUS MAGISTER																							
12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
03	138	11	1118	1505	042262	016	26	00	05	35	31	1	0496	365									
03	139	11	1109	1540	042262	006	26	00	05			31	1	0358	312	61	92.1	04	9.2			2	
03	141	11	1110	1610	042262	006	26	00	05	42	31	1	1	0456	448	61	80.4	04	9.0			2	
03	143	11	1106	1650	042262	006	26	00	05	34	31	1	1	0334	341	62	05.6	04	8.2			2	
03	144	11	1094	1700	042262	006	26	00	05	36	31	1	1	0217	0233	61	59.1	04	7.5			2	
03	145	11	1113	1705	042262	006	26	00	05	48	31	1	1	0298	0356							39.6	2
03	147	11	1106	1740	042262	006	27	50	05	46	31	1	1	0312	0296	61	72.1	05	4.4			36.3	2
03	148	11	1110	1805	042262	006	27	50	05	36	31	1	1	0531	0461								
03	150	11	1115		050462	010	31	90	05			31	1	0348	0296	61	97.3	04	7.5			2	
03	151	11	1117	1840	050462	010	31	90	05	34	31	1	1	0457	0365	61	69.3	03	8.3			39.6	2
																						(E3)	
																						(E3)	
																						(E3)	

(E3)

(E3)

(E3)

SCHEIOPORUS MACISTER																							
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-5	17	8-16	11-14	15	-	20	21-23	24-27	1829	34-32	33	34	35	36-39	40-43	44-45	46-49	49	52	53-55	51-58	59-60
03	152	11104			1620	050462	01031	32	40.05			31	1	0.448	0.348	61	95.7	0.485			49.2	(E3)	
03	153	11100				050462	01031	31	56.05			31	1	0.215	0.235	61	63.8	0.713				2	
03	154	11103			0715	062662	01032	32	00.05			31	1	0.184	0.280								
03	155	11104			0725	062662	01032	32	00.05			31	1	0.230	0.225	61	69.3	0.46			36.3	(E3)	
03	156	11015			0735	062662	01032	32	00.05			31	1	0.101	0.118	71	62.3	0.394			35.0	(E4)	
03	158	11103			0820	062662	01032	32	00.05			31	1	0.163	0.130	61	67.6	0.287			29.7	(E3)	
03	160	11103			0920	062662	01032	32	00.05			31	1	0.097	0.099	71	70.9	0.217			29.7	(E2)	
03	162	11105			0950	062662	01032	32	00.05			32	1	0.041	0.042	71	30.4	0.219			26.4	(E2)	
03	163	11087			1010	062662	01032	32	00.05			32	2	0.011	0.008	90	74.9					1	
03	168	11105			1205	062662	01032	32	00.05			31	1	0.134	0.139	71	38.3	0.33				1	

SCeloporus MACISTER

SCOTOPORUS MACISTER																						
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	67	8-10	11-14	15	-	20	21-23	24-27	1829	30-32	33	34	35	36-39	40-43	44	45-49	50-52	53-55	56-58	59-60
03	169	11029	1205	062662	010	36	00	0513	80	21	1	0055	0019	7	1	28.203	2.7					
03	172	11066	0730	062762	006	26	50	0513	46	31	1	0169	0166	7	1	55.4	2.7					
03	173	11085	0745	062762	006	26	50	0513	60	11	1	0.008	0.141	7	1	47.5	2.3	3.3				
03	177	11098	0820	062762	006	26	50	0513	52	31	1	0087	0181	7	1	74.602	9.7					
03	181	11102	0845	062762	006	26	50	0513	031	1	0191	0145	6	1	49.204	3.4						
03	182	11097	0840	062762	006	26	50	0513	40	31	1	0193	0161	7	1	39.603	1.0					
03	186	11104	0750	72562	010	32	00	0513	25	31	1	0027	0022	8	0	95.4						
03	187	11110	0800	72562	010	32	00	0513	40	32	1	0036	0023	8	0	95.7						
03	188	11113	0820	72562	010	32	00	0513	42	32	1	0038	0034	8	0	78.5						
03	189	11107	0835	72562	010	32	00	0513	54	31	1	0018	0027	8	0	98.7						
	</																					

23.1 1 (E3)

16.5 1 (E2)

23.1 1 (E2)

36.3 1 (E3)

39.6 1 (E3)

SCHEPORUS MACISTER

SCHROEDER'S MACGISTER																							
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-5	67	8-10	11-14	15	-	20	21-23	24	27	28-29	30-32	33-34	35-36	37-39	40-42	43-44	45-49	49	52	53-55	56-58	59-60
03	191	11705				0850	72562	01032	32	00053	90	32	32	1	0039	0046					36.3	(2)	
03	192	11702				0900	72562	01032	32	00053		31	1	0036	0027	80	8212					1	
03	193	11109				0930	72562	01032	32	00053		31	1	0035	018	80	1819				26.4	(2)	
03	196	11092				0820	81862	01032	32	00053	60	32	2	0027	0016	80	77.2						
03	197	11104				0845	81862	01032	32	00053	50	32	2	0065	0028	91	15.5					1	
03	202	11177				0810	82162	00626	00053	30	30	33	3	0105	0113	91	165					1	
03	203	11706				0910	72362	01032	32	00053	32	32	2	0071	0061	91	49.2					1	
03	204	12067				0905	92562	01705	00053	48	35	40	22	0061	0001								
03	205	11108				1500	52064	01032	32	00053	218	31	1	0479	0417								
03	208	12080				1505	81964	01032	32	00053	48	12	2	0004	0003								

	Species No.
	Animal No.
	Sex
	Age
	S-V length
	Time
	Date
	Locality
	Elevation
	Habitat
	Temperature
	Breeding Color
	Sperm
	Epididymis
	Left testis volume
	Rt. testis volume
	Condition
	Sem. tubule diameter
	Sem. epithelial height
	Interstitial cell nuclear diam.
	Epid. epith. height
	Sertoli cells

Sceloporus cretiti

Stelepinus ornatus

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01 019	11 106	11	106	1331	0 30359	001 12 00	04 0 60	8 8 8	0110	0 102	3 1 27.1	05 4.3									
01 021	11 099	11	099	0910	0 41159	001 12 00	04 0 00	8 8 8	0107	0 149	5 1 82.6	05 8.3									
01 022	11 101	11	101	0925	0 41159	001 12 00	04 0 00	8 8 8	0075	0 081	9 1 93.4										
01 023	11 110	11	110	1345	0 52959	001 15 00	04 0 00	8 1 1	0113	0 134	7 1 12.0	3 9.6									
01 024	11 101	11	101	1430	0 52959	001 30 00	04 0 00	8 1 1	0169	0 174	6 1 80.5	03 9.6									
01 025	11 111	11	111	1435	0 52959	001 30 00	04 0 00	8 1 1	0181	0 134	7 2 50.5	06 1.4									
01 029	11 092	11	092	0825 0825	0 62459	001 18 50	04 0 00	8 1 1	0222	0 187	7 1 82.8	04 5.9									
01 030	11 093	11	093	0850	0 62459	001 18 50	04 0 00	8 1 1	0128	0 122	7 1 68.6	04 8.2									
01 031	11 058	11	058	0812	0 62459	001 18 50	04 0 00	8 2 2	0001	0 001	0 0 54.8										
01 034	11 110	11	110	0735	0 70759	001 12 00	04 0 00	8 1 1	0229	0 187	7 1 87.6	04 0.0									

(E1)

(E5)

(E11)

SCELOPORUS ORCUTTI																						
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	035	11	096	0955	0	70759	001	12	00	04	34.28	1	1	0147	0	1677	1	71.3	04	4.2		1
01	036	11	094	1030	0	70759	001	12	00	04	31.08	1	1	0110	0	1287	1	45.5	03	3.3		1
01	037	12	061	0900	0	70759	001	12	00	04	30.08	2	2	0001	0	0010	0	32.6				1
01	038	11	101	0820	0	70959	001	22	00	06	32.78	1	1	0118	0	1117	1	77.5	03	3.3		1
01	039	11	090	0915	0	70959	001	22	00	06	34.68	2	2	0071	0	0659	1	06.3				1
01	040	12	077	0835	0	70959	001	22	00	06	35.78	2	2	0004	0	005						
01	041	12	073	0840	0	70959	001	22	00	06	37.08	2	2	0003	0	0020	0	43.2				1
01	042	12	066	0850	0	70959	001	22	00	06	35.88	2	2	0001	0	0010	0	38.6				1
01	043	12	070	0920	0	70959	001	22	00	06	35.28	2	2	0001	0	0010	0	36.0				1
01	044	12	065	1045	0	70959	001	26	00	06	36.08	2	2	0002	0	0020	0	42.2				1

STUDENTS' COUNCIL

Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01	045	11	1	090	1055	0	70959	001	26	00	06	3	7.3	82	2	0066	0	070	71	05.6	0.2	6.7	1
01	051	11	1	114	0555	0	71559	001	22	00	06	2	8.8	81	1	0122	0	182	71	8.6	0.3	8.6	1
01	055	11	1	110	0720	0	71559	001	25	50	06	3	2.8	81	1	0185	0	157	71	97.0	0.3	5.0	1
01	056	11	1	107	0735	0	71559	001	28	50	06	3	2.8	81	1	0128	0	139	71	45.2	0.2	6.4	1
01	057	11	1	099	0825	0	71559	001	28	50	06	3	2.4	81	1	0121	0	130	71	93.0	0.4	4.2	1
01	059	11	1	111	0945	0	71559	001	28	50	06	3	3.3	81	1	0182	0	168	71	87.8	0.4	2.2	1
01	061	12	0	080	1018	0	71559	001	28	52	06	3	5.0	82	2	0004	0	005	80	64.0			1
01	062	11	1	104	1105	0	71559	001	28	50	06	3	0.5	81	1	0187	0	169	71	81.5	0.3	4.6	1
01	063	12	0	087	1105	0	71559	001	28	50	06	3	0.5	82	2	0017	0	016	90	81.5			1
01	066	12	0	081	0000	0	82158	001	12	00	04	0	00	82	2	0007	0	006	0	69.6			1

SCIENTOPOLIS ORCA

[illegible]

POLYMER LETTERS

SCHEPORIS COUNTY																							
12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-48	49-52	53-55	56-58	59						
Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01	081	1	1	095	1100	0	81259	001	18	00	04	000	822	2	0035	0	0248	0	54.2			16.5	1
01	082	1	2	071	1100	0	81259	001	18	00	04	000	822	2	0002	0	0010	0	46.5				1
01	087	1	2	072	0000	0	80659	009	52	00	03	000	822	2	0001	0	0010	0	33.7				1
01	088	1	2	070	0000	0	80659	009	52	00	03	000	822	2	0002	0	0010	0	30.7				1
01	089	1	2	063	0000	0	80659	009	52	00	03	000	822	2	0002	0	0010	0	35.3				1
01	090	1	1	101	0000	0	80659	009	52	00	03	000	822	2	0028	0	0218	0	68.3				1
01	091	1	1	101	1025	0	31460	022	16	00	04	330	822	2	0368	0	2653	1	60.0	04	59		2
01	093	1	1	112	1140	0	31460	022	16	50	06	34.2	822	2	0379	0	3105	2	66.0	06	9.3		2
01	094	1	1	079	1210	0	31460	022	16	50	06	35.6	822	2	0111	0	1022	1	48.2	04	7.8	23.1	1
01	097	1	1	100	1355	0	40360	001	20	00	06	33.6	811	1	0440	0	4576	2	31.0	04	9.5		2

SCELOPORUS ORCUTTI

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01 1098	112	082	1445	0	40360	001	28	50	06	0	00	822	2	0018	0019	1	085.0		06.8		1
01 100	111	105	1505	0	40360	001	27	00	06	35.7	811	1	0391	0	314						
01 104	111	107	1320	0	11761	001	12	00	04	32.6	822	2	0077	0	1209	1	75.9				1
01 107	112	081	1215	0	13161	001	12	00	04	22.6	822	2	0013	0	0209	0	85.2				1
01 108	111	104	1545	0	13161	001	12	00	04	26.4	822	2	0043	0	0579	1	27.4			19.8	1
01 109	111	114	1520	0	13161	001	12	00	04	28.0	822	2	0122	0	1392	1	53.1	03	8.9		1
01 110	111	102	1600	0	20561	001	12	00	04	00	822	2	0086	0	0979	1	62.4				1
01 111	112	087	1420	0	20761	001	12	00	04	31.8	822	2	0026	0	0186	1	08.2				1
01 112	111	110	1520	0	20761	001	12	00	04	41.8	822	1	0068	0	0994	1	31.0	04	8.1	16.5	(21)
01 113	111	105	0940	0	22161	001	12	00	04	33.6	822	2	0127	0	0929	1	30.0				1

SCOTOPHILUS OCEANII																						
	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	67	8-10	11-14	15	-	20	21-23	24-27	28-30	31-32	33-34	35-36	37-39	40-43	44-45	46-49	49-52	53-55	56-58	59	
01	114	11	098	0000	0225	61	001	12	00	04	0008	22	22	0134	0182	41	75	54	04	9.0	16.5	1
01	115	11	097	0000	0225	61	001	12	00	04	0008	22	22	0057	0046	21	21	60	03	5.8	19.8	1
01	117	11	106	1527	0227	61	001	12	00	04	32.8	22	22	0213	0147	51	28.0	05	8.6			2
01	118	11	1096	0000	0307	61	001	20	00	06	0008	22	22	0147	0113	31	68.3	05	1.8		16.5	1
01	119	11	100	1650	0313	61	001	20	00	06	0008	21	0039	0044	91	25.7					16.8	1
01	121	12	076	1205	0311	61	001	20	00	06	33.0	22	22	0005	0006	00	50.2					
01	122	11	100	1250	0311	61	001	20	00	06	30.8	21	0037	0063	31	33.3	04	2.4			1	
01	124	11	103	1445	0313	61	001	20	00	06	35.4	21	0042	0036	20	98.0	03	1.7			19.8	1
01	125	11	099	1505	0313	61	001	20	00	06	35.0	22	0061	0079	31	36.0	03	0.2				1
01	127	11	098	1510	0313	61	001	20	00	06	31.5	22	0086	0094	51	56.5	03	8.9			16.5	2
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SCELOPORUS ORCUTTI

SCELOPORUS ORCUTTI																							
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells		
01	128	1	1	090	1550	0 31301	001	20	00	06	32.6	8	22	0053	0 0635	115.5	03	5.5		19.8	1	(E1)	
01	131	1	1	101	1205	0 32161	001	11	00	04	32.0	8	31	0278	0 249.5								
01	132	1	1	102	1255	0 32161	001	11	00	04	31.0	8	31	0222	0 240.6	106.4	03	2.5		33.0	2	(E3)	
01	135	1	1	102	1320	0 32461	001	12	00	04	32.6	8	21	0102	0 088.5	159.8	04	1.5		29.7	2	(E1)	
01	136	1	1	115	1505	0 41161	001	19	00	04	000	8	11	0331	0 318.6	191.1	04	3.9		39.6	1	(E4)	
01	137	1	1	103	0940	0 41161	001	19	00	04	32.2	8	11	0246	0 252.6	208.5	05	5.4		23.1	2	(E2)	
01	138	1	2	077	1000	0 41161	001	19	00	04	27.2	8	22	0007	0 008.0	71.3					1		
01	139	1	2	078	1035	0 41161	001	19	00	04	24.8	8	22	0007	0 010	00	68.6				1		
01	140	1	1	090	1040	0 41161	001	19	00	04	33.2	8	22	0149	0 118	31.0	03	5.0			1		
01	141	1	2	089	1050	0 41161	001	19	00	04	34.4	8	22	0062	0 024	30	93.1	03	2.0		09.9	1	(E1)

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Software for the

SCOLEPORUS ORCUTTI

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01 142	142	12	084	1205	041161	00119	0004	30.2	822	0094	0115	3123.4	53	7.6	09.9	1	(E1)				
01 144	144	11	113	1225	041161	00119	0004	33.6	831	0269	0376			13.22	(E2)						
01 146	146	11	110	1250	041161	00119	0004	34.0	831	0220	0258	6165.6	64	1.2	13.22	(E1)					
01 148	148	12	077	1355	041161	00119	0004	33.6	822	0009	0009	0067.3			1	(E1)					
01 149	149	11	114	1405	041161	00119	0004	29.4	821	0189	0134	5195.0	65	5.8	1						
01 150	150	11	115	1420	041161	00119	0004	33.8	811	0365	0302				19.8	(E3)					
01 151	151	11	105	1445	041161	00119	0004	30.0	811	0249	0249	6155.4	63	3.0	26.4	(E2)					
01 154	154	11	112	1130	042761	00112	0004	32.5	811	0161	0184	6166.6	63	5.0	26.4	(E3)					
01 155	155	11	097	1140	042761	00112	0004	35.0	822	0069	0062	5123.4	63	1.0	16.5	(E1)					
01 158	158	12	085	1220	042761	00112	0004	36.8	822	0008	0080	0063.7			1						

SCELOPORUS ORCUTTI

SCELOPORUS ORCUTTI

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01	159	11	1	100	1225	0	42761	001	12	0004	35.8	811	1	0161	0166	0188	1	187.4	0.5		19.8	2
01	160	11	1	165	1325	0	42761	001	12	0004	000	811	1	0139	0139	0188	5	173.2	0.4	1.9	16.5	1
01	162	11	1	096	1125	0	51661	001	12	0004	34.0	811	1	0079	0079	0120	7	153.4	0.3	6.0	23.1	1
01	163	11	1	100	0000	0	52161	009	55	0006	000	811	1	0249	0249	0242	6	174.2	0.3	1.0		2
01	165	12	078	0000	0000	0	52161	009	55	0006	000	822	2	0016	0016	0011	0	0630				1
01	167	11	108	0000	0000	0	52161	009	55	0006	000	811	1	0309	0309	0303	6	168.3	0.4	9.5		2
01	168	11	090	0000	0000	0	52161	009	55	0006	000	821	1	0121	0121	0082	7	116.5	0.2	9.7		1
01	169	11	106	0000	0000	0	52161	009	55	0006	000	811	1	0406	0406	0417	6				33.0	1
01	173	11	098	1340	0000	0	52561	001	28	50	34.8	811	1	0118	0118	0075	7	138.6	0.2	9.0	26.4	1
01	175	11	102	1100	0	0	60361	079	43	00	000	811	1	0222	0222	0249	6	159.4	0.2	9.0	19.8	1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

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SCeloporus orcutti																					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01 176	111095	♂	110	0830	062261	001	16	0004	34.4	811	0137	0	121	71	42.2	0.2	8.7	29.7	1	(E3)	
01 177	111110	♂	110	0855	062261	012	17	0004	32.8	811	0217	0	268	61	42.6	0.2	9.0	29.7	2	(E3)	
01 178	111101	♂	110	0920	062261	012	17	0004	35.4	811	0153	0	117	71	48.5	0.4	0.9	23.1	1	(E3)	
01 179	111106	♂	110	0930	062261	012	17	0004	000	811	0252	0	280	61	58.4	0.3	8.0	2	2		
01 180	111114	♂	114	0935	062261	012	17	0004	31.0	811	0259	0	249	6							
01 181	111110	♂	110	1010	062261	012	17	0004	000	811	0208	0	251	71	74.9	0.4	6.2	2	2		
01 183	111094	♂	110	1745	062361	012	17	0004	34.0	811	0132	0	096	61	36.0	0.3	3.7	330	1	(E3)	
01 184	111102	♂	110	0800	062361	012	17	0004	000	811	0187	0	198	71	40.6	0.3	4.0	1	1		
01 185	111110	♂	110	0830	062361	012	17	0004	34.4	811	0244	0	198								
01 186	111101	♂	110	0910	062361	012	17	0004	32.2	811	0134	0	110	71	28.4	0.3	6.3	1	1		

SCELOPORUS ORCUTTI

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
01 191	111	113	0900	062661	067	18	25	04	30.2	8	11	1	0131	0105	71	44.2	02	5.7			1
01 193	12	067	0000	070361	001	12	00	04	000	8.2	2	2	0002	0004	0004	0003	54.4				1
01 195	12	067	0000	070361	001	12	00	04	000	8.2	2	2	0004	0004	0003						1
01 196	12	063	0000	070361	001	12	00	04	000	8.2	2	2	0002	0002	0002	0002	58.2				1
01 201	11	106	0910	080861	012	17	00	04	29.0	8	1	1	0038	0027	70	81.7	02	1.4		10.5	1
01 204	12	086	0920	092761	012	17	00	04	35.2	8	2	2	0015	0014	70	74.6					1
01 205	11	104	1020	092761	012	17	00	04	33.8	8	2	2	0042	0044	71					13.2	1
01 206	12	089	1055	092761	012	17	00	04	31.4	8	2	2	0007	0007							1
01 207	11	097	1110	092761	012	17	00	04	31.0	8	2	2	0029	0022	90	91.4			66.3		1
01 209	11	094	1350	032662	061	12	00	04	35.4	2	2	1	0196	0102	31	72.3	05	5.4			2

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12	Species No.	
3-5	Animal No.	
6	Sex	
7	Age	
8-10	S-V length	
11-14	Time	
15	Date	
20	Locality	
21-23	Elevation	
24-27	Habitat	
28-32	Temperature	
33	Breeding Color	
34	Sperm	
35	Epididymis	
36-39	Left testis volume	
40-43	Rt. testis volume	
44-48	Condition	
49-52	Sem. tubule diameter	
53-55	Sem. epithelial height	
56-58	Interstitial cell nuclear diam.	
59	Epid. epith. height	
	Sertoli cells	

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Unit 1: Introduction to the course

Una incisa

STAVZONTA

[illegible]

UMA INORNATA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	5-55	1	7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-44	45-47	48-49	50-52	53-55	56-58	59-60
06-031	11084	1	1	1084	0000	012059	00502	40	01	0008	8	8	8	1000	0004	90	58.8				1
06-032	13049	1	1	13049	13350	12559	00405	60	020	0008	8	8	8	0001	0001	00	45.9				1
06-033	11115	1	1	1115	0550	022059	00424	60	01	0008	8	8	8	0033	0006	91	43.2				(E)
06-034	11120	1	1	120	1148	030659	00404	00	020	0008	8	8	8	0001	0006	34	24.4	016.2			1
06-040	12053	1	2	053	1030	032659	00406	00	020	0008	8	8	8	0001	0001	00	52.5				(E)
06-041	12054	1	2	054	1112	030659	00406	00	020	0008	8	2	2	0001	0001	00	43.2				(E)
06-042	11107	1	1	107	09550	022959	00406	00	01	0008	8	1	1	0057	0004	61	93.4	0109			1
06-044	11108	1	1	108	0920	042959	00406	00	01	0008	8	1	1	0018	0008	45	59.1	0436			2
06-045	11109	1	1	099	0000	000058	00404	04	50	01	0008	8	1	0100	0017	62	46.1	052.1			(?)
06-046	11107	1	1	107	1005	040459	00404	00	01	0008	8	2	2	0021	0001	51	43.2	048.2			1

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UNA INORNATA

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UMA INORNATA

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
5-5																						
56099	1	2056				0650	061059	004	06	0001	0008	822	0001	0001	0001	0001	00	59.3				1
06100	1	2059				0635	061259	004	06	0001	0008	822	0001	0001	0001	0001	00					
06101	1	2059				0640	061259	004	06	0001	0008	822	0001	0001	0001	0001	00	32.3				1
06102	1	2057				0725	061159	004	06	0001	0008	822	0001	0001	0001	0001	00	48.2				079 1 (ED)
06103	1	2053				0000	062359	004	02	5001	0008	822	0001	0001	0001	0001						
06104	1	2067				0705	072059	004	06	0001	0008	822	0001	0001	0001	0001	00	37.0				1
06107	1	2063				0725	072059	004	06	0001	0008	822	0001	0001	0001	0001	00	36.3				1
06113	1	2062				0850	072059	004	06	0001	0008	822	0001	0001	0001	0001	00	39.6				1
06114	1	2059				0900	072059	004	06	0001	0008	822	0001	0001	0001	0001	00	34.3				1
06117	1	101				0925	072059	004	06	0001	0008	822	0001	0001	0001	0001	00	55.0				13.2 1 (ED)

LUNA INCONGNATA																						
12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis	Rt. testis	Condition	Sem. tubule	Sem. epithelial	Interstitial cell	Epid. epith.	Sertoli cells
06	130	11	1	1	109	0950	072059	004	06	01	41.8	511	1	0601	1057	6						
06	131	11	1	1	105	1015	072059	004	06	01	41.9	822	2	0012	0016	8					231	1
06	124	11	1	1	053	0805	081859	004	06	01	330	522	2	0001	0001	0	37.6					1
06	125	11	1	1	103	0855	081859	004	06	01	33.2	811	1	0026	0034	8					16.5	1
06	126	11	1	1	060	0905	081859	004	06	01	37.2	822	2	0001	0001	0	45.2					1
06	130	11	1	1	100	0955	083159	004	05	01	42.2	822	2	0003	0003	8	63.4					1
06	132	11	1	1	066	0625	083159	004	05	01	34.4	822	2	0001	0001	0	43.2					1
06	134	11	1	1	069	0930	083159	004	05	01	40.4	822	2	0001	0001	0						
06	137	11	1	1	056	0710	083159	004	05	01	36.7	822	2	0001	0001	0	34.6					1
06	138	11	1	1	061	0712	083159	004	05	01	35.2	822	2	0001	0001	0						

UNA INORNATA

UMA INORNATA																																			
12	3-5	6	7	8-10	11-14	15	-	20	21-23	24	27	28-29	30-32	33-34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53-55	56-59	60
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells														
06	140	1	1	103	0710	083159	004	0550	01	36.2	2	2	0003	0004																					
06	142	1	1	071	0745	083159	004	0550	01	39.4	2	2	0006	0006	0033.0																				
06	143	1	1	101	0750	083159	004	0550	01	38.6	2	2	0005	0004	80	73.9																			
06	144	1	1	065	0755	083159	004	0550	01	39.5	2	2	0001	0001	0	40.6																			
06	145	1	1	075	0835	083159	004	0550	01	41.2	2	2	0001	0001	0	48.2																			
06	149	1	1	102	0840	083159	004	0550	01	41.6	2	2	0003	0005	8	88.4																			
06	151	1	1	107	0934	083159	004	0550	01	40.7	2	2	0008	0007	8	88.8																			
06	152	1	1	041	1000	083159	004	0550	01	40.4	2	2	0001	0001																					
06	153	1	1	114	1008	083159	004	0550	01	44.0	2	2	0008	0011	8	73.6																			
06	155	1	1	084	1100	090759	004	0550	01	000	2	2	0001	0001	0	44.9																			

UVA INCRNATA

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
06	156	12	068	1345	0	90959	005	0200	014	0.28	22	0001	0001	0001	0001	0001	0001	0044.2				1
06	157	11	102	0920	0	90959	005	0250	013	0.20	22	0013	0013	0013	0013	0013	0013	0043.2				1
06	159	12	078	1010	0	90959	004	0550	014	0.55	22	0001	0001	0001	0001	0001	0001	0053.1				1
06	160	11	103	1015	0	90959	004	0550	014	0.24	22	0000	0000	0000	0000	0000	0000	0086.1				1
06	161	11	094	1015	0	90959	004	0550	014	0.14	22	0004	0004	0004	0004	0004	0004	0074.9				1
06	163	12	055	1055	1	02059	004	0550	013	0.85	22	0001	0001	0001	0001	0001	0001	0045.5				1
06	165	11	080	1130	1	02059	004	0550	014	0.28	22	0005	0005	0005	0005	0005	0005	0055.5				1
06	167	12	072	1018	1	10959	004	0550	013	0.28	22	0004	0004	0004	0004	0004	0004	0072.6				1
06	168	12	077	1005	0	51060	004	1100	013	0.38	22	0007	0007	0007	0007	0007	0007	0087.4				1
06	169	11	083	1012	0	51060	004	1100	013	0.27	22	0049	0049	0049	0049	0049	0049	0074.9				1

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12	3-5	67	8-16	11-14	15	-	20	21-23	24	-	27	28-29	30-32	33	34	35	36	-	39	40	-	43	44	-	49	49	-	52	53-55	56-58	59	60
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells											
06	170	11	100	1335	0	31000	004	11	00	01	38.5	822	2	0031	032	31	72.6	054.4			1											
06	172	12	076	1102	0	31000	004	11	00	01	34.1	822	2	0005	0005	90	78.2				1											
06	175	11	103	1200	0	31000	004	11	00	01	36.8	822	2	0034	0050	31	96.9	056.4			1											
06	176	12	004	1207	0	31000	004	11	00	01	32.5	822	2	0001	0001	00	60.4				1											
06	177	11	097	1225	0	31000	004	11	00	01	34.7	822	2	0024	0016	31	35.0	051.8			1											
06	181	11	095	1465	0	32860	005	05	00	01	32.5	821	1	0141	0101	62	46.8	051.5			29.7											
06	182	12	056	1040	0	41460	004	11	00	01	34.4	822	2	0001	0001	00	37.0				1											
06	183	11	116	1050	0	41460	004	11	00	01	32.8	811	1	0195	0199	62	99.6	066.0			1											
06	184	11	050	1105	0	41460	004	11	00	01	35.8	811	1	0078	0078	62	14.1	057.8			16.5											
06	185	12	078	1106	0	41460	004	11	00	01	36.0	822	2	0085	0078	51	80.8	064.7			29.7											

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UMA INORNATA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
06 188	12075	1	2	075	1345	11/14/60	004	0425	0137	37.6	511	1	0075	0068	0066	61	55.7	64	2.9	23.1	2
06 192	11084	1	1	084	1200	042860	004	0425	0134	34.7	511	1	0068	0068	0068	62	24.4	65	3.5	29.7	1
06 193	11083	1	1	083	1220	042860	004	0425	0136	36.6	511	1	0079	0073	0073	62	26.2	65	5.8	26.4	1
06 195	11089	1	1	089	1310	042860	004	0425	0136	36.6	511	1	0041	0022	0022	62	25.7	67	1.3	46.2	1
06 196	11111	1	1	111	1310	042860	004	0425	0138	38.5	511	1	0110	0078	0078	62	23.4	67	5.9		2
06 198	11102	1	1	102	1240	050960	004	0500	0138	38.6	511	1	0181	0131	0131	62	24.1	64	6.3	29.7	1
06 199	11092	1	1	092	0925	051460	004	0400	0100	35.5	511	1	0137	0097	0097	62	18.5	65	8.1	26.4	1
06 200	11105	1	1	105	1025	051460	004	0400	0139	39.4	511	1	0209	0016	0016	62	51.8	64	9.2	49.5	1
06 202	11099	1	1	099	0905	052660	004	0400	0133	33.4	511	1	0150	0119	0119	62	23.1	65	2.8	26.4	1
06 203	11099	1	1	099	0911	052660	004	0400	0135	35.0	511	1	0157	0165	0165	62	01.6	64	0.3	33.0	1

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AVON

Uta INORNATA																						
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-5	1	7	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35-36	37-39	40	41-44	45-49	50-52	53-55	56-58	59-60
204	1	1	110	1920	052660	004	11	0001	380	5	11	0503	0003	0005							36.3	
208	1	1	105	0945	052660	004	11	0001	390	5	11	0153	0015	0016	252.1	057	7.1				39.6	
209	1	1	092	1005	052660	004	11	0001	382	5	11	0123	0012	0016	189.8	04	3.6				19.8	
211	1	1	109	1030	052660	004	11	0001	354	5	11	0253	0023	0026	244.1	051	5				19.8	
212	1	1	092	1045	052660	004	11	0001	344	5	11	0111	0011	0015	62	66	058.4				29.7	
215	1	1	072	1730	061260	004	02	0001	351	5	11	0128	0012	0016	240.2	40	206	8.6			36.3	
216	1	1	106	0810	061260	004	02	0001	352	5	11	0174	0017	0018	62	53.4	056.1				36.3	
217	1	2	075	0825	061260	004	02	0001	384	5	22	0002	0002	0002	002	00	58.1				09.7	
218	1	1	081	0850	061260	004	02	0001	390	5	22	0002	0002	0002	002	00	60.1				06.6	
219	1	1	090	0915	061260	004	02	0001	352	5	21	0009	0009	0022	71	39.3	040.3				1	

UMA INORNATA

UMA INORNATA																							
12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
06	222	11	080	11	114	1000	06/22/00	004	04	25	01	35	58	82	22	0005	0	002	0051.8			1	
06	223	11	114	11	102	1010	06/22/00	004	04	25	01	36	00	81	1	0121	0	104	72	02.6	04	4.2	
06	224	11	102	11	102	1010	06/22/00	004	04	25	01	41	57	81	1	0052	0	047	71	37.6	03	5.0	
06	225	11	093	11	093	1010	06/22/00	004	04	25	01	41	57	82	22	0005	0	0038	054.8			1	
06	227	11	084	11	084	0635	0723/00	004	05	00	01	36	24	82	22	0002	0	0003					
06	228	11	101	11	101	0705	0723/00	004	05	00	01	37	58	81	1	0026	0	016	71	31.3	03	4.6	
06	232	11	072	11	072	1005	0723/00	004	05	00	01	39	57	82	22	0005	0	0003	0051.2			1	
06	233	11	085	11	085	1010	0723/00	004	05	00	01	43	57	82	22	0003	0	003	0053.8			1	
06	236	11	097	11	097	0710	0811/00	004	06	00	01	32	8	82	22	0008	0	006	80	59.4		1	
06	237	11	111	11	111	0715	0811/00	004	06	00	01	34	57	82	22	0005	0	018	80	53.8		1	

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UMA INORNATA																					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	239	11	115	110	0000	081500	004	00	01	000	822	2	0004	0005	8058.7					19.8	1
06	240	11	119	115	0000	081000	004	00	01	000	822	2	0001	0001	0057.9						1
06	241	11	119	115	0000	081000	004	00	01	000	822	1	0111	0107	7232.609	30				27.7	1
06	247	11	115	113	0000	081000	004	00	01	000	822	1	0045	0030	7156.403	1.7				30.3	1
06	248	11	113	113	0000	081000	004	00	01	000	822	2	0014	0010	7					26.4	1
06	249	11	1094	11094	0000	081000	004	00	01	000	822	2	0005	0005	0	005					
06	263	11	1105	11105	0000	081100	004	00	01	000	822	1	0008	0008	0	0098	055.1			16.5	1
06	264	11	1096	11096	0700	081100	004	00	01	000	822	2	0002	0002	0	0028	050.5			06.6	1
06	266	11	115	1115	0000	081500	004	01	01	000	811	1	0008	0009	8089.1				17.8	1	
06	267	11	110	110	0000	081500	004	01	01	000	821	1	0016	0013	8054.8				19.8	1	
					</																

DNA INFORMATION																					
12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-30	31-32	33-34	35-36	37-39	40-43	44-47	48-49	50-52	53-55	56-58	59-60	
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
06 2681	1	113	0000	0	8	15	0004	04	75	01	0008	21	0004	0006	80	78.9				16.5	1
06 269	11	080	0000	0	8	10	00	04	00	01	0008	22	0001	0001	0001					06.6	1
06 270	11	094	0730	0	9	10	00	04	04	01	0008	21	0007	0007	0000	80	74.8			19.8	1
06 271	11	100	0250	0	9	10	00	04	04	01	0008	21	0007	0005	80	67.3				20.4	1
06 275	11	111	0000	0	9	10	00	04	04	01	0008	21	0011	0011	0011	90	91.1			16.5	1
06 283	11	093	0000	0	9	10	00	04	04	01	0008	22	0001	0001						13.2	1
06 285	11	099	0000	0	9	10	00	04	04	01	0008	21	0004	0006	80	68.6					1
06 286	11	119	0000	0	9	10	00	04	04	01	0008	21	0012	0012	80	53.2				20.4	1
06 288	11	080	0000	0	9	10	00	04	04	01	0008	22	0002	0004	00	63.0					1
06 290	11	110	1025	1	0	07	00	04	04	01	0008	25	0025	0018	91	33.6					1

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	305	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	309	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	309	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	302	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	304	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	305	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	306	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	307	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	308	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1
06	310	11	11	11	113	0000	081500	004 04	75	01	0005	212	5001	0001	0001	0001	71	198.0				1

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UMA INORNATA																																					
12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-39	40-46	47-52	53-55	56-59	60	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
06	312	1	1103	0000	032561	00404	2501	000822	00356	04251	406	0457	19.8	1	(E1)																						
06	313	1	115	0000	040961	00404	2501	000822	0167	0147	51	86.4	056.1	23.1	2	(E1)(E2)																					
06	314	1	1104	0000	040961	00404	2501	000822	0641	0641																											
06	315	1	1105	0920	040961	00504	5001	0778	511	0100	0089	52	31.0	058.1	33.6	1	(E1)																				
06	316	1	1105	1105	040961	00404	2501	0778	511	0101	0131	62	18.5	063.7	19.8	1	(E2)																				
06	317	1	116	1110	040961	00404	2501	0778	511	0088	0061	51	87.8	061.7	16.5	1	(E1)																				
06	319	1	1098	1215	040961	00404	2501	0778	511	0084	0061	62	17.1	058.7	23.1	1	(E2)																				
06	320	1	115	1235	040961	00404	2501	0778	511	0084	0061	62	20.8	057.8	16.5	1	(E1)																				
06	321	1	1094	1245	040961	00404	2501	0778	511	0042	0055	41	69.6	044.9	29.9	1	(E1)																				
06	323	1	1106	1410	040961	00404	2501	0778	511	0108	0141	62	22.4	052.8	26.4	1	(E4)																				

UMA INORNATA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	355	1	7	8-10	11-14	15	20	21-23	24	27	28	29	30	31	32	33	34	35	36	37	38
36	358	1	1	088	0000	281560	00404	75	01	0008	2	2	0102	0010	0010	52	08.6	06	7.0		33.0
36	359	1	1	104	0000	081560	00404	25	01	0008	2	2	0009	0007	41	38	0.03	9.3		13.2	2
36	390	1	1	107	0000	051861	00404	25	01	0008	1	1	0308	0005	62	51.5	05	7.1			2
36	391	1	1	120	0000	051861	00404	25	01	0008	1	1	0121	0009	62	25.7	03	5.3		26.4	1
36	392	1	1	118	0000	051861	00404	25	01	0008	1	1	0233	0005	62	28.9	06	5.3		16.5	2
36	393	1	1	110	0000	051861	00404	25	01	0008	1	1	0205	0018	62	39.0	04	8.3		39.6	2
36	395	1	1	102	0000	051861	00404	25	01	0008	1	1	0163	0012	62	66.2	04	4.6		33.0	1
36	350	1	1	104	0000	051861	00404	00	01	0008	1	1	0187	0018	62	10.2	04	5.9		33.0	1
36	351	1	1	113	0000	051861	00404	00	01	0008	1	1	0198	0017	62	25.2	04	3.7		29.7	2
36	352	1	1	107	0000	051861	00404	00	01	0008	1	1	0195	0015	62	69.9	05	7.5		42.9	1

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12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-48	49-52	53-55	56-59	60	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells		
06	353	1	1	100	1550	051841	004	000001	0007811	0210	0217	62	42.7	057.4	34.3	2	(E3)																								
06	354	1	1	113	093570	01941	004	042501	000511	0176	0180	63	25.8	052.0	42.9	2	(E4)																								
06	358	1	1	110	084570	01761	004	042501	000511	0169	0181	62	30.0	054.8	13.2	2	(E4)																								
06	361	1	1	080	09000	01941	004	042501	000511	0014	031	16.5	045.2	1																											
06	362	1	1	081	00000	01761	004	050001	0000511	0022	0028	62	52.4	053.9	16.5	2	(E4)																								
06	363	1	1	113	00000	01761	004	050001	0000511	0263	0203	62	52.4	053.9	16.5	2	(E4)																								
06	364	1	1	117	00000	01761	004	060001	0000511	0165	0104	62	25.4	041.4	33.0	1	(E3)																								
06	365	1	1	083	00000	01761	004	060001	0000511	0002	0002	60	49.5	1																											
06	373	1	1	080	00000	01761	004	060001	0000511	0002	0001	60	51.8	1																											
06	374	1	1	118	00000	01761	004	042501	0000511	0052	0094	61	84.2	027.5	29.7	1	(E3)																								

May 1998

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UVA INORNATA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12-3-55	17	8-10	11-14	15	20	21-23	24	27	28	29	30-32	33	34	35	36	37	38	39	40	41	42
06-379	1	052	0935	1	01061	004	06	00	01	3505	2	2	0007	0003	90	70.3				09.9	(E1)
06-401	1	110	1050	1	01061	004	06	00	01	3606	2	2	0014	0129	1040					19.8	(E1)
06-408	1	1298	1345	1	01061	004	04	25	01	0015	2	4	0006	0007	86	50.8				09.9	(E1)
06-409	1	1080	1055	0	32862	004	04	75	01	4258	2	2	0078	0005							
06-411	1	110	1155	0	32862	004	04	75	01	3801	2	2	0066	0004	148.2	03	5.6			19.8	(E1)
06-412	1	112	1035	0	32862	004	04	75	01	3558	1	2	0198	0193	52	46.4	05	0.6		19.8	(E1)
06-414	1	1107	0555	0	42462	004	04	75	01	3660	1	1	0272	0272	0	0.6				35.0	(E1)
06-415	1	1116	0915	0	42462	004	04	75	01	0008	1	1	0244	0208	62	57.4	05	0.6		26.4	(E1)
06-417	1	1101	1625	0	42462	005	04	75	01	0008	1	1	0137	0134	61	77.5	03	9.3			2
06-418	1	1102	0845	0	52462	004	04	75	01	0008	0	1	0196	0203	62	19.0	05	0.4		23.1	(E2)

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UMA INORNATA

12-3-5	67	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35	36	39	40	43	44	45	49	50	52	53-55	56-58	59	60
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells				
06-419	11	118	0715	052402	004	04	75	01	000	1	11	0253	0250	0253	0250	62	56.7	66	8	6	23.1	2	(E2)		
06-420	11	112	0925	052402	004	04	75	01	000	2	11	0304	0314	6						33.0	2	(E3)			
06-421	11	1039	1010	052402	004	04	75	01	000	0	11	0018	0025	61	78.5	03	57.3			19.8	1	(E4)			
06-422	11	115	1015	052402	004	04	75	01	000	0	11	0328	0300												
06-423	11	101	1125	052402	004	04	75	01	000	1	11	0158	0147	62	54.8	04	16				1				
06-424	11	1095	1020	052402	004	04	75	01	000	0	11	0137	0121	61	80.4	03	3.0				1				
06-427	11	111	0730	062102	004	04	75	01	380	1	11	0144	0141	62	75.2	06	4.0				33.0	2	(E4)		
06-428	11	1094	0730	062102	004	04	75	01	345	0	11	0105	0104	62	39.2	04	3.7				42.9	1	(E3)		
06-431	11	1000	0755	062102	004	04	75	01	412	0	21	0079	0084	61	94.2	04	2.9				19.8	1	(E4)		
06-432	11	1079	0800	062102	004	04	75	01	380	0	22	0015	0018	71	62.4	03	8.9				16.5	1	(E3)		

UMA INORNATA

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	17	8-10	11-14	15	20	21-23	24	27-28	29	30-32	33	34	35	36	37	38	39	40	41	42	43
06	434	11	091	0805	062102	004	04	75	01	41.0	02	0038	0042	6	150.5	04	6.5				19.8	1
06	435	11	112	0805	062102	004	04	75	01	39.0	11	0141	0149	6	268.2	04	7.1				39.42	1
06	436	11	109	0825	062102	004	04	75	01	35.0	12	0141	0173	6	250.8	03	5.0					1
06	437	11	103	0825	062102	004	04	75	01	41.0	11	0154	0191	6	194.7	03	4.3				33.0	1
06	439	11	097	0830	062102	004	04	75	01	36.8	11	0115	0111	6	235.4	04	6.2				26.4	1
06	441	11	097	0900	062102	004	04	75	01	43.5	12	0060	0063	6	203.6	03	8.9				31.6	1
06	444	11	080	0715	071102	004	04	75	01	38.0	02	0001	0002									
06	445	11	102	0846	071102	004	04	75	01	42.0	01	0013	0014	8	112.5							1
06	446	11	108	0720	071102	004	04	75	01	38.5	02	0017	0020									
06	447	11	098	0730	071102	004	04	75	01	39.2	02	0008	0008	0	008.0	91.1					06.6	1

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UMA INORNATA																					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-47	48-52	53-55	56-59	60				
06	451	1	1	108	0750	071162	004	04	75	01	402	11	0061	0005	61	87.3	0.6	0.2		1	
06	452	1	1	109	0820	071162	004	04	75	01	414	11	0123	00134	61	41.0	0.5	3.3		2	
06	461	1	1	106	0905	080362	004	04	75	01	394	11	0108	0105	61	89.1	0.4	7.2		330	
06	466	1	1	114	0920	080362	004	04	75	01	396	11	0120	0119	61	95.4	0.4	6.2		330	
06	467	1	1	084	0947	080362	004	04	75	01	405	11	0067	0077	61	99.0	0.4	4.2		330	
06	468	1	1	106	0930	080362	004	04	75	01	387	21	0093	0096	61	67.6	0.3	5.0		1	
06	469	1	1	097	0950	080362	004	04	75	01	425	11	0055	0051	72	61.6	0.4	6.9		36.3	
06	470	1	1	087	1000	080362	004	04	75	01	426	22	0003	0003	80	77.2				1	
06	471	1	1	085	1005	080362	004	04	75	01	415	22	0001	0003						09.9	
06	474	1	2	071	0755	090462	004	04	75	01	374	22	0001	0001							

WILSON, WYN

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12-3-56																						
06-4770		111	M	113		0815	090662	00104	04	25°C	35.4	1	22	0023	0019	71	80.5	03	16.3		16.5	(E-3)
06-4771		111	M	111		0820	070662	00104	04	25°C	35.4	1	22	0052	0053	71	80.5	03	16.3		16.5	(E-3)
06-4778		111	M	113		0835	090662	00104	04	25°C	35.4	1	22	0022	0025	91	59.9				19.8	(E-4)
06-4779		111	M	096		0840	090662	00104	04	25°C	35.4	1	22	0007	0017						13.2	(E-5)
06-4780		111	M	107		0800	091064	00104	04	25°C	35.4	1	21	0111	0071							

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	001	1	1	1	090	0800	080358	002	034002			888	000410	0003								
05	004	1	1	1	117		082358	002	0341002			888	00069	0081								
05	005	1	1	1	113	1745	091958	002	034002			888	0011	00188	0059.8							1
05	007	1	1	1	092	0942	03158	002	031002			888	0003	00038	000.4							1
05	009	1	2	073	1011	1	03158	002	031002			888	0002	0002								
05	010	1	2	052	1050	1	03158	002	031002			888	0001	00010	0044.9							1
05	012	1	3	043	1111	1	03158	002	031002			888	0001	00010	0034.3							1
05	014	1	1	100	1130	1	03158	002	031002			888	00041	00041	9151.8							1
05	015	1	2	074	1224	1	03158	002	031002			888	0006	0006								
05	018	1	2	050	1025	1	11458	002	039002			888	0001	0001								

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UMA NOTATA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-032	12055	12	055	1235	0	12459	002	030002			888	00010	00010	00010	00010	00010	0535				1
05-033	12063	12	063	1310	0	12459	002	030002			888	00010	00010	00010	00010	00010	0426				1
05-034	12055	12	055	1130	0	20559	002	030002			888	00010	00010	00010	00010	00010	0452				1
05-036	12069	12	069	1135	0	20559	002	030002			888	00020	00020	00020	00020	00020	0522				1
05-037	12058	12	058	1204	0	20559	002	030002			888	00010	00010	00010	00010	00010					
05-038	13049	13	049	1150	0	20559	002	030002			888	00010	00010	00010	00010	00010	0396				1
05-039	13047	13	047	1040	0	20559	002	030002			888	00010	00010	00010	00010	00010	0375				1
05-047	12055	12	055	0925	0	32159	002	030002			888	00010	00010	00010	00010	00010	0365				1
05-048	12054	12	054	0915	0	32159	002	030002			888	00010	00010	00010	00010	00010	0343				1
05-049	12063	12	063	1142	0	32159	002	030002			888	00010	00010	00010	00010	00010	0339				1

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UMA NOTATA

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	060	11	082	12	20	042559	002	03	00	02		8	2	2	0001	0	002					
05	061	11	080	10	55	042559	002	03	00	02		8	2	2	0003	0	003	80	66.4			1
05	062	12	060	10	40	042559	002	03	00	02		8	2	2	0001	0	001	00	42.9			1
05	063	12	067	13	26	042559	002	03	00	02		8	2	2	0001	0	001	00	43.9			1
05	079	11	082	11	25	052359	002	03	00	02		8	2	2	0055	0	051	61	55.8	05	7.4	1
05	080	11	084	11	15	052359	002	03	00	02		8	2	2	0040	0	051	61	98.3	04	8.8	1
05	081	11	105	09	50	052359	002	03	00	02		8	1	1	0090	0	124	61	81.5	05	11.2	
05	082	12	056	09	30	052359	002	03	00	02		8	2	2	0001	0	001	00	39.1			1
05	083	12	062	09	45	052359	002	03	00	02		8	2	2	0001	0	001	00	41.9			1
05	084	12	073	10	25	052359	002	03	00	02		8	2	2	0001	0	002	00	52.4			1

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-128	111	094	1228	0942559	002	03	00	02			8	11	0016	0014	7	113.2					1
05-133	112	070	1020	081959	002	03	00	02			8	22	0001	0001							
05-134	112	077	0905	081959	002	03	00	02	34.4	8	22	0009	0001	0001	0047.3						1
05-135	112	076	0923	081959	002	03	00	02	43.0	8	22	0002	0001	0054.8							1
05-138	111	104	1825	081859	002	03	00	02	34.6	5	11	0128	0145	7	182.5	0.3	8.3				1
05-139	111	112	0640	081959	002	03	00	02	29.8	8	11	0042	0075	7	218.9	0.3	6.3				1
05-143	111	108	1820	081859	002	03	00	02	36.8	8	11	0036	0051	7							1
05-148	112	060	1110	081959	002	03	00	02	45.3	8	22	0001	0001	0028.7							1
05-149	112	057	0935	081959	002	03	00	02	42.8	8	22	0001	0001	0037.1							1
05-150	112	068	0940	081959	002	03	00	02	33.0	8	22	0001	0001	0054.4							1

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05 152	11086	1	1	086	0810	081959	00203	0000	024	35.5	811	0055	0079	225.0	052.8						1
05 153	12068	1	2	068	0840	081959	00203	0000	023	32.8	222	0001	0001	0049.2							1
05 154	12079	1	2	079	0850	081959	00203	0000	023	34.9	222	0002	0001	0056.1							1
05 155	12099	1	2	099	0900	081959	00203	0000	023	36.2	111	0028	0025	7131.2	026.4						1
05 156	11081	1	1	081	0955	081959	00203	0000	024	38.1	111	0012	0003	7106.9							1
05 157	11083	1	1	083	1020	081959	00203	0000	024	20.8	222	0001	0002	0051.2							1
05 158	11085	1	1	085	1135	081959	00203	0000	023	9.1	222	0002	0003	0059.4							1
05 159	12076	1	2	076	1651	090959	00203	0000	024	9.8	222	0002	0002	0063.0							1
05 165	12071	1	2	071	1730	090959	00203	0000	024	34.8	222	0001	0001								
05 168	11106	1	1	106	1745	090959	00203	0000	024	6.5	111	0013	0018	7							

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	169	1	2	068	1800	0	90959	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	172	1	1	082	2030	0	90959	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	175	1	2	068	0755	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	181	1	2	074	0844	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	182	1	2	076	0850	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	183	1	2	076	0965	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	186	1	2	068	0930	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	187	1	2	071	0935	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	189	1	1	085	0955	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
05	190	1	1	106	1000	0	91059	002	0300	02	1854	822	0001	0001	0001	0001	0001	0001	0001	0001	0001	
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1-2	3-5	6	7	8-10	11-14	15	-	20	21-23	24	-	27	28-29	30-32	33-34	35-36	-	39	40	-	43-44	45	-	49	49	-	52	53-55	56-58	59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Species No.		Animal No.		Sex		Age		S-V length		Time		Date		Locality		Elevation		Habitat		Temperature		Breeding Color		Sperm		Epididymis		Left testis volume		Rt. testis volume		Condition		Sem. tubule diameter		Sem. epithelial height		Interstitial cell nuclear diam.		Epid. epith. height		Sertoli cells																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
05	191	1	2	070	1010	0	91059	002	03	00	02	41.0	8	22	00001	0	001	00	49.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	223	11	1	092	1310	1	11559	002	0300	123	72.5	2334	2	20014	0014	0014	91	31.0			1	
05	224	11	1	085	1035	0	21660	002	0300	02	28.3	82	2	0013	0013	0016	91	17.8			1	
05	227	11	1	097	1320	0	21660	002	0300	02	25.1	82	2	0018	0018	0022	91	20.4			26.4	(ED)
05	230	12	079	1355	0	21660	002	0300	02	23.6	52	2	0013	0013	0014	91	10.2			13.2	(ED)	
05	231	12	067	1400	0	21660	002	0300	02	32.7	82	2	0003	0003	0005	90	87.4				1	
05	232	11	1	094	1405	0	21660	002	0300	02	30.4	82	2	0038	0038	0038	13	186.1	07	1.6		1
05	233	12	073	1430	0	21660	002	0300	02	29.9	82	2	0011	0011	0002	91	15.2				1	
05	236	12	075	1450	0	21660	002	0300	02	31.8	82	2	0020	0020	0025	91	20.3				1	
05	237	11	1	109	1455	0	21660	002	0300	02	35.0	82	2	0016	0016	0016	91	00.3				1
05	238	11	1	084	0905	0	30860	002	0300	02	37.2	82	2	0048	0048	0059						

12	3-5	67	8-10	11-14	15-20	21-23	24-27	28-30	31-32	33-34	35-36	37-39	40-44	45-49	50-52	53-55	56-58	59			
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-239	12	079	0955	0	30860	002	03	00	02	2	5.2	8	22	0016	0022	9	131.7			13.2	(E1)
05-241	11	084	1010	0	30860	002	03	00	02	3	2.1	8	22	0058	0057	5	177.2	06.14		16.5	(E1)
05-242	11	093	1023	0	30860	002	03	00	02	3	1.5	8	22	0052	0044	4	149.7	085.8		19.8	(E1)
05-245	11	086	1055	0	30860	002	03	00	02	3	3	4.8	22	0030	0054	3	136.3			19.8	(E1)
05-250	11	084	1350	0	30860	002	03	00	02	3	8.9	5	22	0030	0038	9	142.6				1
05-252	11	099	1005	0	41960	002	03	00	02	4	4.4	5	22	0007	0007	0	084.5				1
05-253	11	083	1015	0	41960	002	03	00	02	4	0.5	8	22	0003	0003	0	061.0				1
05-254	11	089	1730	0	41960	002	03	00	02	4	0.2	8	22	0005	0005	0					(E1)
05-255	11	085	1820	0	41960	002	03	00	02	3	6.2	8	22	0013	0004						(E1)
05-260	12	061	1000	0	41360	002	03	00	02	3	6.5	8	22	0001	0001	0	050.2				1

AVANTAGE

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-261	111	098	1020	0	41360	002	03	00	02	43.0	8	11	0089	0067	6	211.4	05	8.7		29.7	1
05-263	111	090	1040	0	41360	002	03	00	02	39.7	8	11	0109	0094	6	237.9	05	2.8		26.4	1
05-264	111	108	1045	0	41360	002	03	00	02	40.2	8	11	0137	0134	6	235.4	05	5.0		33.0	1
05-265	120	079	1050	0	41360	002	03	00	02	36.8	8	22	0015	0014	9	119.8					1
05-266	111	084	1050	0	41360	002	03	00	02	36.6	8	22	0028	0050							
05-268	120	076	1110	0	41360	002	03	00	02	37.0	8	22	0019	0013	9	120.8					1
05-269	120	078	1110	0	41360	002	03	00	02	35.0	8	22	0008	0006	9	093.1					1
05-274	111	096	1155	0	41360	002	03	00	02	40.6	8	11	0109	0108	6	213.5	05	1.2		33.0	1
05-276	111	080	1200	0	41360	002	03	00	02	40.6	8	22	0032	0026							
05-277	111	085	1245	0	41360	002	03	00	02	43.6	8	22	0042	0038	5	170.3	05	4.1			1

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	278	11	093	1300	0	41360	002	0360	02	44.2	811	0145	0121	6282.4	070.0						1	
05	279	11	107	1700	0	41360	003	0300	02	36.4	811	0198	0205	6294.1	075.0						3301	
05	282	11	097	0920	0	41360	002	0500	02	34.1	811	0158	0143	6279.2	070.6						1	
05	283	11	080	0922	0	41360	002	0300	02	32.4	822	0026	0024	6139.3	042.9						1	
05	285	11	098	0915	0	50160	002	0300	02	31.9	811	0094	0097	6234.6	064.4						1	
05	286	11	114	0920	0	50160	002	0300	02	31.2	811	0236	0222	6239.9	054.1						49.51	
05	287	11	085	0930	0	50160	002	0300	02	39.2	811	0145	0161	6248.5	058.4						1	
05	289	11	089	1605	0	50160	002	0300	02	39.2	811	0111	0122	6203.3	055.4						39.41	
05	291	11	115	1030	0	50160	002	0300	02	38.2	811	0246	0242	6247.2	056.1						56.12	
05	292	11	101	1100	0	50160	002	0300	02	36.4	811	0137	0134	6242.9	070.0						49.51	
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DATA NOTATA

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-293	111084	11	084	1110	050160	002	0300	0243.8	811	0111	0104	62.5	3.1	062.4	1	(E3)					
05-294	11102	11	102	1125	050160	002	0300	0235.6	811	0169	0237	62.4	8.8	067.0	1	(E4)					
05-295	11088	11	088		050160	002	0300	02	811	0076	0091	61.8	4.1	054.1	1	(E2)					
05-096	11109	11	109		050160	002	0300	02	811	0246	0251	62.6	9.9	063.7	1	(E4)					
05-300	111094	11	094	1805	050960	002	0300	0233.8	811	0098	0101	62.3	8.5	065.3	1	(E3)					
05-302	111089	11	089	1815	050960	002	0300	0234.0	811	0088	0118	62.1	4.2	051.8	1	(E4)					
05-304	11104	11	104	1838	050960	002	0300	0235.4	811	0171	0193	62.5	8.3	061.8	1	(E4)					
05-305	111084	11	084	0650	051060	002	0300	0232.7	811	0076	0072	62.3	5.4	065.7	1	(E4)					
05-306	111094	11	094	0700	051060	002	0300	0236.0	811	0105	0111	62.2	4.4	053.1	1	(E4)					
05-308	11104	11	104	0725	051060	002	0300	0236.0	811	0134	0157										

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-331	11	085	0840	0	61060	002	03	00	02	36.4	811	1	0060	0071	6217.5	052.5	39.6	1			
05-332	11	085	0845	0	61060	002	03	00	02	34.1	811	1	0063	0061	6206.2	046.2	26.4	1			
05-333	11	090	0900	0	61060	002	03	00	02	39.0	811	1	0111	0097	6210.9	056.1	23.1	1			
05-337	11	087	1035	0	61060	002	03	00	02	42.4	811	1	0042	0050	6166.0	038.6	26.4	1			
05-338	12	079	1050	0	61060	002	03	00	02	46.8	822	2	0009	0008	7087.8	025.7	16.5	1			
05-339	11	092	1050	0	61060	002	03	00	02	41.1	821	1	0033	0030	6142.2	040.6	16.5	1			
05-340	12	069	1105	0	61060	002	03	00	02		822	2	0001	0001	6042.6		1				
05-341	11	114	1106	0	61060	002	03	00	02	41.0	811	1	0133	0118							
05-342	11	093	1110	0	61060	002	03	00	02		811	1	0102	0107	6225.1	052.1	39.6	1			
05-345	12	074	0610	0	71760	002	03	00	02	35.0	811	1	0001	0001							

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Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-346	11109	0635	071760	002	03 00 02	002	03 00 02	35.9	511	0108	0116	6.2	95.7	07	5.9	29.7	1	(E3)					
05-349	12075	0700	071760	002	03 00 02				522	0001	0001	0.0578	1										
05-353	11090	0745	071760	002	03 00 02				522	0003	0003	0.0647	1										
05-354	11091	0750	071760	002	03 00 02	37.5	511	0076	0069	6.2	22.5	05	1.4	73.0	1	(E3)							
05-356	11100	0845	071760	002	03 00 02	41.2	511	0098	0097	6.1	96.5	04	0.5	53.0	1	(E3)							
05-357	11105	0855	071760	002	03 00 02	41.2	511	0120	0107	7.1	85.2	04	3.7	26.4	1	(E4)							
05-358	11090	0925	071760	002	03 00 02	42.4	511	0092	0096	6.1	82.8	05	0.8	29.7	1	(E4)							
05-359	12064	0930	071760	002	03 00 02		522	0001	0001														
05-361	11086		071760	002	03 00 02		511	0057	0063	6.1	61.7	03	1.3	39.6	1	(E3)							
05-362	12075		071760	002	03 00 02		522	0001	0001	0.0440													

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		Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	1	7	8-10	11-14	15-20	21-23	24-27	28-32	33-35	36-39	40-43	44-48	49-52	53-55	56-58	59						
05	363	1	1	095		080940	002	030002		811	11	0660	00526	1	77.5	033.0		26.4	1	(E3)			
05	364	1	1	098		080860	048	-100	014	1.5	811	11	0022	00357	1	37.0	031.0			1			
05	367	1	1	055		080960	002	0300	023	3.6	811	11	0048	00426	2	03.3	037.6			1			
05	368	1	2	074		0825	080960	002	0300	023	3.0	822	22	0002	0002								
05	370	1	2	078		0745	080960	002	0300	023	3.6	822	22	0002	0001								
05	372	1	1	095		1045	080560	002	0300	024	1.2	821	21	0008	0013	8	089.4			1			
05	378	1	1	113		1730	080860	002	0300	02		811	11	0091	00947	1	163.0	032.7			19.8	2	
05	379	1	1	098		1700	080860	002	0300	02		811	11	0063	01466	1	149.2	035.0			29.7	1	
05	380	1	2	075		1710	080860	002	0300	02		822	22	0001	0001	0	0045.2				1		
05	381	1	1	090		1800	080860	002	0300	02		811	11	0053	00307	1	50.5	039.4			26.4	1	
																						(E3)	

12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-42	43-44	45-48	49-52	53-55	56-58	59		
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-382	11	1	103	1645	080360	602	03	0002	41.9	811	0039	00457	194.7	042.9				19.8	1	(E3)	
05-383	11	1	096	1650	080860	002	03	0002		821	0009	0008	8070.6							1	(E2)
05-384	11	1	098		080960	002	03	0002		811	0028	00897	213.2	042.9				29.7	1	(E2)	
05-385	11	1	098		080960	002	03	0002		811	0033	0055									
05-386	11	1	090		080960	002	03	0002		811	0030	0042									
05-387	11	1	115		080960	002	03	0002		811	0057	0063	6170.3	027.7				17.8	1	(E3)	
05-388	11	1	093		080960	002	03	0002		811	0085	00457	143.2	027.7				13.2	1	(E2)	
05-389	11	1	091		080960	002	03	0002		811	0015	00157	127.0	023.1				23.1	1	(E2)	
05-391	11	1	099	0805	091060	002	03	0002	36.5	811	0018	00208	089.8					09.9	1	(E3)	
05-392	12	1	072	0815	091060	002	03	0002		822	0001	0001	0043.6							1	

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12-3-5	396	11102					20-15	002-03	0002	02-36.8	33-35	811	1	10015	0015	8038.4				23.1	(E1)	
05-397	11104	1804					090900	002-03	0002	02-36.0	33-35	811	1	0013	0013	8081.2				23.1	(E3)	
05-398	111098	1820					090900	002-03	0002	02-		811	1	0013	0010	9084.2				19.8	(E2)	
05-399	11104	1805					090900	002-03	0002	02-36.6	33-35	811	1	0007	0009	8030.8				26.4	(E1)	
05-400	12079	1813					090900	002-03	0002	02-36.0	33-35	811	1	0002	0001							
05-401	12078	1818					090900	002-03	0002	02-		811	1	0002	0010	059.4				1		
05-402	11085						091000	002-03	0002	02-		811	1	0002	0003	8060.1				23.1	(E1)	
05-410	11108						091000	002-03	0002	02-		821	1	0010	0010	8079.6				16.5	(E1)	
05-411	12077						091000	002-03	0002	02-		822	1	0002	0002	9065.7				1		
05-412	11086						091000	002-03	0002	02-		821	1	0003	0004	8070.0				1		

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-4113	1	1	104			091040	002	03	0002			811	0013	0010	7							1
05-4114	1	1	1030			091040	002	03	0002			812	2002	0001	8	063.0					09.9	1
05-4115	1	1	067			091040	002	03	0002			811	0004	0006	8	067.0						1
05-4116	1	2	079			091040	002	03	0002			812	2001	0001	0	050.2						1
05-4117	1	1	112			080940	002	03	0002			811	0089	0068								
05-4119	1	1	096			1000	1	01560	002	03	0002											
05-4223	1	1	084			1035	1	01560	002	03	0002											
05-4224	1	1	099				1	01560	002	03	0002											
05-4225	1	1	094				1	01560	002	03	0002											
05-4226	1	1	115				1	01560	002	03	0002											

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12	3-5	6	7	8-10	11-14	15	-	20	21-23	24	27	28-29	30	31-32	33	34	35	36	39	41	44	45	49	49	52	53-55	56-58	59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Species No.		Animal No.		Sex		Age		S-V length		Time		Date		Locality		Elevation		Habitat		Temperature		Breeding Color		Sperm		Epididymis		Left testis volume		Rt. testis volume		Condition		Sem. tubule diameter		Sem. epithelial height		Interstitial cell nuclear diam.		Epid. epith. height		Sertoli cells																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
05	427	11	1	103		1	01560	002	03	00	02			822	2	0007	0007	90	78.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

12	3-5	67	8-16	11-14	15	20	21-23	24	27	28-29	30-32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells																	
05	461	12	068			09/960	002	030002			522	0008	00119	0003							1																	
05	462	12	079			080960	002	030002			522	0036	003351	04.7	073.7						1																	
05	463	12	078			080940	002	030002			522	0047	004151	79.8	0579.1						1																	
05	464	11	080			080940	002	030002			522	0036	003351	35.3	051.2						1																	
05	465	12	070			080940	002	030002			522	0052	006352	05.3	072.9						1																	
05	466	11	086			080960	002	030002			522	0057	008451	76.7	072.6						1																	
05	467	11	106			09/661	002	030002			511	0121	012462	59.7	067.0						33.0																	
05	468	11	109			09/661	002	030002			521	0113	00976								2																	
05	469	11	099			09/661	002	030002			511	0124	014361	76.6	048.2						26.4																	
05	470	11	095			09/661	002	030002			511	0149	013761	82.8	049.5						1																	

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	3-5	6	7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-42	43-44	45-49	49-52	53-55	56-58	59	
05-471	11	085				041661	002	03	00	02	8	11	0111	0102	6204.6	66.0.4			26.4	1	(E2)
05-472	11	088				041661	002	03	00	02	8	27	0058	0057	6204.6	66.8.6			19.2	1	(E1)
05-473	11	093				041661	002	03	00	02	8	11	0101	0118	6201.0	056.4			39.6	1	(E3)
05-474	11	084				041661	002	03	00	04	8	22	0014	0013	3119.5	041.7				1	
05-475	11	081				041661	002	03	00	02	8	22	0015	0016	3118.1	039.9				1	
05-476	11	085				041661	002	03	00	04	8	22	0042	0041	5137.0	044.2			13.2	1	(E1)
05-483	11	099				051361	002	03	00	02	8	11	0057	0109	6209.6	042.2			23.1	1	(E1)
05-484	11	090				051461	002	03	00	02	8	11	0081	0111	6209.2	042.9			29.7	1	(E4)
05-485	11	097				051461	002	03	00	02	8	22	0007	0009							
05-488	11	105				0835	002	03	00	02	35.6	311	0171	0141	6217.1	055.4			36.3	2	(E3)

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-484	111	104					05/14/61	666	03	00	02	811	0182	0152	61	189.4	0.11.9					2
05-490	111	107					05/14/61	002	03	00	02	811	0179	0128	61	176.5	0.48.3					39.62
05-495	111	105					05/14/61	002	03	00	02	811	0193	0178	62	22.4	0.54.8					1
05-496	111	091					05/14/61	002	03	00	02	811	0120	0104	62	15.8	0.46.9					29.7
05-500	111	086					05/14/61	002	03	00	02	822	0011	0013	41	10.9						1
05-501	111	106					05/14/61	002	03	00	02	811	0139	0141	62	16.8	0.47.8					39.62
05-506	111	080					05/14/61	002	03	00	02	822	0042	0034	51	90.1	0.44.1					19.8
05-508	111	091					05/14/61	002	03	00	02	811	0094	0077	61	54.1	0.37.0					33.0
05-509	111	092					05/14/61	002	03	00	02	811	0063	0057	61	64.7	0.43.6					33.0
05-510	111	082					05/14/61	002	03	00	02	822	0040	0039	61	62.4	0.50.8					16.5

(E1)

(E3)

(E4)

(E1)

(E3)

(E4)

(E3)

(E3)

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12	3-5	67	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-43	44-49	50-52	53-55	56-58	59					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells		
05-574	111	108	1715	060361	074	04	00	02			811	0081	0091	612	07.6	044.9				29.7	1	(E4)	
05-576	111	100	0800	060461	074	04	00	02			811	0051	0061	61	78.5	038.0				23.1	1	(E3)	
05-578	111	091	1750	060761	003	0300	024	3.5	811	0070	0066	61	82.2	040.3								1	
05-579	111	109	1845	060761	002	0300	02		811	0080	0112	62	24.7	049.2							26.4	1	(E3)
05-520	111	055		060761	002	0300	02		811	0057	0057	62	11.2	052.8							33.0	1	(E4)
05-525	111	083		060861	002	0300	024		822	0025	0025	50	97.7	033.0							18.2	1	(E1)
05-526	111	080		060861	002	0300	02		811	0082	0067	62	08.2	045.9							29.7	1	(E2)
05-527	111	102		060861	002	0300	02		811	0149	0162	61	97.0	043.6							33.0	1	(E3)
05-528	111	107		060861	002	0300	02		811	0105	0131	72	03.0	043.2							19.8	1	(E4)
05-529	111	101		060861	002	0300	02		811	0174	0121	62	31.0	056.1							26.4	1	(E3)

12	3-5	6	7	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53-55	56-58	59
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells													
05-531	111102					060561	002030002				811	0137	0153	7258.7	055.8					42.9	(E2)													
05-532	111087					060861	002030002				821	0053	0051	7172.9	039.3					17.8	(E2)													
05-533	111109					060861	002030002				811	0226	0236	7233.3	051.5					26.4	(E4)													
05-536	111099					062561	002030002				811	0105	0111	6190.1	046.5					19.8	(E4)													
05-537	111095					071061	002030002				811	0102	0097	6162.7	033.0					33.0	(E3)													
05-545	111107					071161	002030002				811	0143	0162	6170.6	034.3					23.1	(E4)													
05-546	12076					071161	002030002				822	0002	0002																					
05-547	111105					071161	002030002				811	0096	0154	7188.8	038.6					19.8	(E4)													
05-548	12074					071161	002030002				811	0094	0098	6193.4	046.5					29.7	(E3)													
05-549	111095					071161	002030002				811	0081	0102	6237.3	046.9					33.0	(E3)													

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05 550	111096					071161	002030002				511	1	0085	0093	71	84.8	039.6			36.3	1
05 552	111082					071161	002030002				511	1	0081	0084	62	34.3	047.8			29.7	1
05 553	111097					071161	002030002				511	1	0093	0089	61	91.1	042.9			29.7	1
05 555	11101					071161	002030002				511	1	0057	0052	71	99.6	044.2			23.1	1
05 557	112078					071161	002030002				522	2	0005	0004	00	63.7					1
05 559	111088					071161	002030002				511	1	0065	0072	61	79.2	039.6			26.4	1
05 560	111100					071161	002030002				511	1	0105	0064	61	83.8	042.6			24.7	2
05 561	111099					071161	002030002				511	1	0101	0118	62	39.9	054.8			36.3	1
05 562	111083					071161	002030002				511	1	0022	0024	81	16.4					1
05 563	11101					0567	002030002				511	1	0092	0096	61	94.0	045.5			36.3	1

(E3)

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(E4)

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
12	3-5	67	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35	36	37-39	40	41-43	44-45	46-49	50-52	53-55	56-58	59
05	564	11	083	2130	0	72261	002	0300	02	31.0	51	11	0048	0	052	7142.6	036.6				16.5	(E2)	
05	566	11	090	0820	0	72361	002	0300	02		822	2008	0005										
05	567	11	1107	0820	0	72361	002	0300	02		811	0082	0073		190.1	036.6					42.9	(E3)	
05	568	11	105	0822	0	72361	002	0300	02		811	0078	0089	6154.8	032.7						42.9	(E2)	
05	569	11	092		0	81361	002	0300	02		611	0019	0025										
05	570	11	105	0620	0	81261	003	0300	01	34.0	811	0086	0069	6175.9	040.3					33.0	(E2)		
05	571	11	1083		0	82161	002	0300	02		822	2003	0003										
05	572	11	1104		0	82161	002	0300	02		811	0038	0036	7135.3	028.4						19.8	(E2)	
05	573	12	077		0	82161	002	0300	02		822	2002	0001	0062.0									
05	574	11	087		0	82161	002	0300	02		821	0003	0004	8071.3							16.5	(E2)	

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	576	111090					082161	002030002				811	10044	0039	71	62.8	0.8				13.2	(E2)
05	578	111090					091261	002030002				822	0003	0002	80	49.8					09.9	(E1)
05	579	11104			2230		091261	002030002				811	10009	0015	7						16.5	(E1) (7+)
05	581	111091					091261	002030002				821	10005	0005	80	74.9						1
05	582	111090					091261	002030002				821	10005	0005	79	69.0						1
05	583	11106					091261	002030002				821	10013	0011	80	69.0					26.4	(E2)
05	584	111093					091261	002030002				822	20001	0001	80	49.5						1
05	585	112076					091261	002030002				821	10011	0011	80	67.6					16.5	(E1)
05	587	111082					07301	002030002				822	20002	0002	0002							
05	588	111094					07351	002030002				822	20006	0006	0005						13.2	(E1)

1-2	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-42	43-44	45-48	49-52	53-55	56-58	59		
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-590	111	088	0815	100761	002	0300	023	28.8	2	0007	0006	8	0.024							09.9	(E)
05-592	111	099	0925	100761	002	0300	024	1.0	8	22	0003	0004	8	0.044						16.5	(E)
05-595	111	092	0805	100761	002	0300	024	0.6	8	22	0003	0003	8	0.020							(E)
05-596	111	085	0835	100761	002	0300	023	5.4	8	22	0003	0003	9	0.518							(E)
05-597	111	095	0915	100761	002	0300	023	6.2	8	22	0004	0008	8	0.914						16.5	(E)
05-601	111	098	1245	100761	002	0300	023	9.0	8	22	0004	0007	8	0.719						16.5	(E)
05-604	111	085	1100	100761	002	0300	024	0.8	2	0005	0004										
05-607	112	076	1105	100761	002	0300	024	0.8	2	0001	0001	0	0.512								(E)
05-609	111	082	1145	100761	002	0300	023	9.4	8	22	0002	0002									
05-611	111	092	1410	100761	018	0300	024	1.6	8	22	0008	0006	9	0.934							(E)

UMA NOTATA																					
12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-34	35-36	37-39	40-43	44-49	50-52	53-55	56-59					
Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05-612	11100	11	100	1015	1005	61	002	0300	02	30.8	22	0008	0008	0008	0008	8085.1				13.2	1
05-615	111080	11	080	1100	1008	61	002	0300	02		22	0002	0003	0003	0003	8067.6					1
05-616	111086	11	086		0	32562	002	0300	02		12	20055	0045	51	31.0	04	2.6				1
05-617	111085	11	085		0	32562	002	0300	02		12	20051	0042	61	75.4	05	2.1				1
05-618	112077	11	2077		0	41462	002	0300	02		12	20069	0069								
05-620	111098	11	098	0745	0	41462	002	0300	02	32.0	22	10105	0119								
05-623	111093	11	093	1025	0	41462	002	0300	02		21	10124	0121	61	199.3	05	2.8				2
05-624	112069	11	2069		0	41462	002	0300	02		12	20001	0002	0002	0002	0066.7					1
05-628	112077	11	2077	1825	0	41462	002	0300	02		22	20053	0048	51	15.5	03	8.3				1
05-631	112076	11	2076		0	41462	002	0300	02		22	20041	0009	1	62	06.4	04	9.5			1

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis	volume	Rt. testis	volume	Condition	Sem. tubule	diameter	Sem. epithelial	height	Interstitial cell	nuclear diam.	Epid. epith.	height	Sertoli cells
05	652	11	098				061362	002	03	00	02		311	0108	0157	062	15.8	05	9.3							29.7	1	(E4)
05	653	12	079				061362	002	03	00	02		211	0071	0077	72	18.5	05	5.4									1
05	663	11	105			0935	061462	002	03	00	02		211	0088	0096													
05	664	11	081			0940	061462	002	03	00	02		222	0004	0005													
05	665	11	098			1620	071962	002	03	00	02		331	0061	0059	61	75.9	04	5.2							26.4	1	(E3)
05	668	11	094			1825	071962	002	03	00	02		311	0063	0081	62	04.3	05	2.8							19.8	1	(E2)
05	669	11	102			1840	071962	002	03	00	02		311	0078	0084	71	85.1	03	8.9							16.5	1	(E4)
05	671	11	102			1810	071962	002	03	00	02		311	0067	0082	72	16.7	03	6.3							29.7	1	(E2)
05	672	11	103			1830	071962	002	03	00	02		111	0090	0075	71	63.0	03	3.7							26.4	1	(E2)
05	673	11	083			1900	071962	002	03	00	02		122	0004	0005	80	61.6									19.8	1	(E1)

	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	675	11103	11103	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	683	11103	11103	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	679	11105	11105	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	680	11098	11098	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	681	11098	11098	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	684	11090	11090	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	686	11097	11097	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	687	11090	11090	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59
05	688	11112	11112	17	8-10	11-14	15-20	21-23	24-27	28-29	30-32	33-34	35-36	37-39	40-41	42-43	44-45	46-49	50-52	53-55	56-58	59

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	689	11	1	086	0730	080462	003	030001	89.25	11	0059	0057	6212.5	646.9								
05	694	11	1	089	0724	080562	002	030002	86.03	11	0060	0047	7155.1	030.4								
05	695	11	1	102	1720	081062	002	030002	91.25	11	0048	0101	7203.0	044.2								
05	696	11	1	094	1720	081062	002	030002		3	11	0067	0065	7173.2	039.6							
05	698	11	1	097		081062	002	030002		3	11	0063	0065	7165.7	033.7							
05	702	11	1	102	1815	081062	002	030002		3	11	0088	0069	7153.1	027.4							
05	703	11	1	094	1800	081062	002	030002		2	11	0042	0044	7164.7	037.3							
05	704	11	1	103	1846	081062	002	030002		3	11	0054	0055	7182.2	038.6							
05	705	11	1	097	0720	081162	003	030002		3	11	0060	0047	7141.2	028.0							
05	706	11	1	098	1815	081162	002	030002		4	06	03	71	44.4	039.6							

(E3)

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
05	708	11094	1	1094	1820	081162	002030002	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)							
05	709	12078	1	102	1830	081162	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)								
05	710	11102	1	102	1830	081162	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)								
05	711	11098	1	1098	1835	081162	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)								
05	715	12079	1	1710	091562	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)									
05	716	11095	1	1735	091562	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)									
05	720	11100	1	0855	091662	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)									
05	722	11085	1	032563	018030002	12100810063	19.8	1	(E2)													
05	723	11095	1	041164	002030002	52201280087	0087															
05	724	11102	1	1410	090364	002030002	43.4	12200010002	0727209.7	051.5	39.6	1	(E3)									

	Species No.
	Animal No.
	Sex
	Age
	S-V length
	Time
	Date
	Locality
	Elevation
	Habitat
	Temperature
	Breeding Color
	Sperm
	Epididymis
	Left testis volume
	Rt. testis volume
	Condition
	Sem. tubule diameter
	Sem. epithelial height
	Interstitial cell nuclear diam.
	Epid. epith. height
	Sertoli cells

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 001	11 080	11			1200	0 13059	020	24	00	02	000	822	0001	0001	0001	2	53.2	4.5		11.2	(E1)
07 002	13 044	13			1235	0 22059	007	13	25	01	000	822	0001	0001	0001	4	24				
07 003	11 037	11			1225	0 22059	007	13	25	01	000	822	0075	0065	4	24.6	0.9	0.4			
07 004	13 048	13			1235	0 22059	007	13	25	01	000	822	0001	0001	0001						
07 005	12 052	12			1302	0 22059	007	13	25	01	000	822	0001	0001	0001	0	47.6				
07 006	12 056	12			1255	0 22059	007	13	25	01	000	822	0001	0001	0001	0	41.7				(E1)
07 009	11 094	11			1129	0 31359	007	13	25	01	000	822	0038	0	055	3	38.7	05	9.1		
07 010	11 099	11			1225	0 31359	007	13	25	01	000	822	0030	0	030	3	49.6	04	7.3		(E1)
07 011	11 107	11			1230	0 31359	007	13	25	01	000	822	0131	0	121	3	202.5	088	1.0		(E5) (E1)
07 012	11 100	11			1315	0 31359	007	13	25	01	000	822	0081	0	006						cell necrosis

adjuvant

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(E1)

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 013	12 067	12	067	1035	0	31359	007	13	25	01	000	822	20002	0	0020	0	061.6	022.4	05.6	08.4	
07 014	12 058	12	058	1255	0	31359	007	13	25	01	000	822	20001	0	0010	0	40.3	022.4	05.6	08.4	(E1)
07 018	11 082	11	082	1113	0	42459	007	14	00	01	000	822	00030	0003	0003	0	61.6	023.8	05.4	05.4	(E1) (E5)
07 019	11 101	11	101	1110	0	42459	007	14	00	01	000	811	0132	0	161	62	73.6	078.0	30.8	30.8	(E4)
07 020	11 100	11	100	1040	0	42459	007	14	00	01	000	811	0169	0	135	62	64.6	079.6	30.0	30.0	(E3)
07 021	11 083	11	083	1015	0	42459	007	14	00	01	000	822	00130	0	0134	1	106.7	036.7	08.0	08.0	abundant
07 022	11 099	11	099	1035	0	42459	007	14	00	01	000	811	0154	0	150	62	59.5	022.4	08.4	08.4	(E1)
07 023	12 059	12	059	1145	0	42459	007	14	00	01	000	822	00010	0	0010	0	39.5	022.4	08.4	08.4	(E1)
07 024	12 051	12	051	1107	0	42459	007	14	00	01	000	822	00010	0	0010	0	55.8	022.4	08.4	08.4	(E1)
07 025	13 049	13	049	1030	0	42459	007	14	00	01	000	822	00010	0	0010	0	37.8	022.4	08.4	14.0	(E5) (E1)

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 087	111	087	1855	072159	007	14	00	01	36.6	822	0003	0004	81.5	57	49	52	53-55	14.0	(E)		
07 089	111	089	0700	072259	007	14	00	01	34.8	822	0003	0005	80.2	49	52	53-55	08.4	(E)			
07 090	112	063	0707	072259	007	14	00	01	35.6	822	0001	0016	80.8	31.8	49	52	53-55	11.2	(E)		
07 092	111	100	0720	072259	007	14	00	01	35.0	822	0052	0042	71.25	60.2	49	52	53-55	31.5	(E)		
07 096	111	098	0750	072259	007	14	00	01	40.0	822	0013	0018	80.9	49	52	53-55					
07 097	112	062	0755	072259	007	14	00	01	41.2	822	0001	0001	80.0	35.3	49	52	53-55	14.0	(E)		
07 101	112	078	0808	072259	007	14	00	01	42.0	822	0001	0002	80.4	49.8	49	52	53-55	13.5	(E)		
07 105	112	052	0821	072259	007	14	00	01	40.1	822	0001	0001	80.0	36.4	49	52	53-55	08.4	(E)		
07 107	112	058	0842	072259	007	14	00	01	39.4	822	0001	0001	80.0	38.6	49	52	53-55	08.4	(E)		
07 108	111	098	0850	072259	007	14	00	01	39.8	822	0008	0007	80.0	44.1	49	52	53-55	19.6	(E)		

UMA SCOPARIA

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	109	11	1	105	0910	6	72259	007	14	00	01	39.4	822	2	0021	0020	7				25.2	(7A) (ET)
07	111	11	1	099	1005	0	72259	007	14	00	01	41.5	822	2	0025	0025	7	100.0	002	57.2	05.2	(ET)
07	114	12	063	0725	0	82059	007	14	00	01	36.2	822	2	0001	0001	0001	0041.2	0000			11.2	(ET)
07	115	12	069	0740	0	82059	007	14	00	01	37.6	822	2	0001	0002	0002	0044.5	0000			11.2	(ET)
07	116	12	055	0750	0	82059	007	14	00	01	35.5	822	2	0001	0001	0001	0038.1	0000			05.4	(ET)
07	117	12	054	1045	0	82059	007	14	00	01	40.4	822	2	0001	0001	0001	0037.6	0000			11.2	(ET)
07	118	12	055	1135	0	82059	007	15	00	01	40.2	822	2	0001	0001	0001	0034.4	0000				
07	119	12	066	1220	0	82059	007	15	00	01	36.4	822	2	0001	0001	0001	0046.2	0000			14.0	(ET)
07	120	12	059	1325	0	82059	007	15	00	01	38.6	822	2	0001	0001	0001	0039.2	0000			05.6	(ET)
07	123	11	113	0910	0	82059	007	14	00	01	38.9	822	2	0009	0009	0009	0081.4	0000			22.5	(ET)

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UVA SCOPARIA

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	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	165	111099			1025	102459	007 14 00 01 32.4	822 20028	0016	80	28.4	0000	0000	0000	0000	19.6	(E1)					
07	166	112066			1030	102459	007 14 00 01 35.0	822 20020	0010	0052.1	0000	0000	0000	0000	0000	11.2	(E1)					
07	167	112066			1045	102459	007 14 00 01 34.3	822 20001	0047.0	0000	0000	0000	0000	0000	0000	11.2	(E1)					
07	170	112072			1105	102459	007 14 00 01 37.9	822 20005	0005	0065.9	0000	0000	0000	0000	0000							
07	172	112064			1125	102459	007 14 00 01 39.8	822 20010	0001	0090.7	0000	0000	0000	0000	0000							
07	173	112067			1130	102459	007 14 00 01 42.4	822 20001	0001	0098.7	0000	0000	0000	0000	0000							
07	174	111091			1135	102459	007 14 00 01 37.9	822 20020	0024	3117.8	0005	1.4	0000	0000	0000							
07	175	111102			1150	102459	007 14 00 01 36.6	822 20022	0017	3088.4	0000	0000	0000	0000	0000							
07	176	111087			1155	102459	007 14 00 01 38.8	822 20008	0009	3090.3	0003	1.8	0000	0000	0000							
07	176	112070			102459	007 14 00 01 38.8	822 20008	0009	3090.3	0003	1.8	0000	0000	0000	0000							

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UWA SCOPARIA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 189	112	066	12445	030760	007	14	00	01	37.8	822	0069	0010	910	88.6	0000	0000	18.9	1	(ET)		
07 190	112	075	1253	030760	007	14	00	01	37.4	822	0033	0025	911	9.1	0000	0000	10.5	1	(ET)		
07 191	111	087	1259	030760	007	14	00	01	37.8	822	0073	0081	911	35.2	003.1	0000	1				
07 193	112	069	1325	030760	007	14	00	01	30.9	822	0005	0007	910	86.1	0000	0000	10.5	1	(ET)		
07 197	111	088	1455	041160	007	14	00	01	27.0	811	0159	0150	611	71.9	043.9	0000	26.4	2	(ET)		
07 198	112	063	0930	041960	007	14	00	01	37.4	822	0001	0001	004	90.3	0000	0000	06.3	1	(ET)		
07 199	111	105	0850	041960	007	14	00	01	37.2	811	0235	0184	612	12.5	035.6	0000	19.8	1	(ET)		
07 200	111	107	1255	042160	007	14	00	01	00.0	811	0230	0207	612	31.3	047.2	0000	42.9	1	(ET)		
07 202	111	105	0935	042160	007	14	00	01	38.3	811	0361	0354	612	31.3	047.2	0000	42.9	1	(ET)		
07 204	111	094	1035	042160	007	14	00	01	39.7	811	0309	0292									

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	205	11	092	1045	0	42160	007	14	00	01	38.4	811	0222	0196	62	03.6	03	8.9	600	23.11	(E1)	
07	206	11	108	1125	0	42160	007	14	00	01	36.6	811	0363	0354	62	24.1	04	3.1	600	39.61	(E1)	
07	207	11	097	1140	0	42160	007	14	00	01	41.3	811	0188	0220	61	75.6	04	1.2	600	36.31	(E4)	
07	208	11	105	1150	0	42160	007	14	00	01	34.6	811	0421	0461	62	47.2	04	7.5	607.4	42.92	(E4)(E5)	
07	209	11	099	1208	0	42160	007	14	00	01	32.9	811	0361	0350	62	18.8	05	6.5	600	3302	(E4)(E5)	
07	210	11	103	1220	0	42160	007	14	00	01	39.4	811	0356	0425	62	79.2	05	3.8	600	49.52	(E4)	
07	212	11	106	1235	0	42160	007	14	00	01	40.8	811	0469	0510	62	16.8	05	6.8	600	36.32	(E3)	
07	214	11	086	1405	0	42160	007	14	00	01	38.7	811	0169	0193	61	56.1	04	7.8	600	33.01	(E2)(E5)	
07	215	11	102	1445	0	42160	007	14	00	01	40.6	811	0356	0341	62	22.8	04	3.6	600	40.2	(E4)	
07	216	11	100	1755	0	52160	007	15	00	01	32.6	811	0356	0246	62	08.2	04	6.2	600	26.4	(E3)(E5)	

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 217	11 102	0915	052260	007	14	00	01	34.2	811	0210	0222										
07 219	11 104	0925	052260	007	14	00	01	39.0	811	0233	0208	01	85.1	01	3.2						
07 221	11 109	0945	052260	007	14	00	01	38.7	811	0452	0379										
07 224	11 108	1220	052260	007	14	00	01	40.0	811	0371	0266	01	73.6	0301							
07 225	11 109	0000	052260	007	14	00	01	00.0	811	0348	0263										
07 226	11 109	0000	052260	007	14	00	01	00.0	811	0354	0361	02	04.3	0310							
07 228	11 103	0000	052260	007	14	00	01	00.0	811	0339	0337										
07 231	11 102	0000	052260	007	14	00	01	00.0	811	0241	0220	01	88.4	038.3							
07 233	11 106	0000	052260	007	14	00	01	00.0	811	0371	0379	02	00.0	03	9.9						
07 234	11 102	0000	052260	007	14	00	01	00.0	811	0388	0321	01	80.8	038.0							

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12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis	Rt. testis	Condition	Sem. tubule	Sem. epithelial	Interstitial cell	Epid. epith.	Sertoli cells
01	237	1	2	0	71	0000	052260	007	14	00	01	000	822	0010	0	007	00	72.9			08.4	E1
07	239	1	1	108		0000	052260	007	14	00	01	000	811	0379	0	341	0					E4
07	240	1	1	110		0000	052260	007	14	00	01	000	811	0012	0	486	0					E4
07	242	1	1	101		0000	052260	007	14	00	01	000	811	0188	0	196	0	210.7	042.0			E4
07	245	1	1	109		0000	052260	007	14	00	01	000	811	0301	0	312	0	37.9	041.7			E4
07	250	1	1	104		0830	061160	007	14	00	01	39.2	811	0157	0	182						
07	251	1	1	102		0905	061160	007	14	00	01	39.9	811	0233	0	238						
07	252	1	1	1087		1005	061160	007	14	00	01	41.9	811	0137	0	122						
07	254	1	1	1089		1010	061160	007	14	00	01	000	811	0135	0	088						
07	255	1	1	103		1020	061160	007	14	00	01	38.1	811	0174	0	196						

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 256	11 107	0935	061160	007	14	0001	0008	11	0248	0246											
07 261	11 110	0945	061160	007	14	0001	0008	11	0416	0341											
07 265	11 105	1020	061160	007	14	0001	0008	11	0248	0220	189.8	0.3	9.3								
07 266	11 111	1030	061160	007	14	0001	0008	11	0246	0249											
07 271	11 095	1825	071560	007	14	0001	0008	11	0042	0042	01	02.8	0.2	3.8							
07 272	11 100	1830	071560	007	14	0001	0008	11	0024	0030											
07 275	11 097	0000	071560	007	14	0001	0008	11	0053	0053	01	19.8	0.1	6.8							
07 282	11 106	0755	071660	007	14	0001	0008	11	0117	0079	01	169.6	0.3	0.4							
07 285	11 109	0825	071660	007	14	0001	0008	11	0124	0124											
07 286	11 112	0830	071660	007	14	0001	0008	11	0159	0141											

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UMA SCOPARIA

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 310	11 107	0000	0	81060	007	14	00	01	008	821	0028	0	027	7	10.5	7+	7+	7+	7+	7+	7+
07 311	11 102	0000	0	81060	007	14	00	01	008	821	0010	0	011	7	12.6	7+	7+	7+	7+	7+	7+
07 312	11 100	0000	0	81060	007	14	00	01	008	821	0021	0	014	7	14.7	7+	7+	7+	7+	7+	7+
07 313	11 096	0000	0	81060	007	14	00	01	008	821	0007	0	013	8	21.0	7+	7+	7+	7+	7+	7+
07 314	11 101	0000	0	81060	007	14	00	01	008	821	0016	0	013	7	14.7	7+	7+	7+	7+	7+	7+
07 315	11 105	0815	0	91160	007	14	00	01	008	821	0018	0	020	7	25.2	7+	7+	7+	7+	7+	7+
07 316	11 102	0000	0	91160	007	14	00	01	008	821	0013	0	019	7	19.8	7+	7+	7+	7+	7+	7+
07 323	11 094	0000	0	91160	007	14	00	01	008	821	0010	0	018	7	19.8	7+	7+	7+	7+	7+	7+
07 324	11 097	0000	0	91160	007	14	00	01	008	821	0014	0	015	8	19.8	7+	7+	7+	7+	7+	7+
07 325	11 095	0000	0	91160	007	14	00	01	008	821	0007	0	008	8	23.1	7+	7+	7+	7+	7+	7+

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	335	6	7	8-10	11-14	15	-	20	21-23	24	27	28	29	30	31	32	33	34	35	36	37
07	330	1	1	102	1135	101660	007	14	00	01	0008	22	20020	0013	7						1
07	331	1	1	103	1308	101660	007	14	00	01	0008	22	20031	0024	7						21.0
07	338	1	1	078	1150	040861	007	14	00	01	38.6	821	0109	0102	51	54.7	046.4				23.1
07	339	1	1	102	1200	040861	007	14	00	01	37.4	821	0111	0096	51	37.4	045.5				14.7
07	341	1	1	096	1340	040861	007	14	00	01	35.0	821	0075	0082	51	20.9	057.8				1
07	343	1	1	096	0000	081060	007	14	00	01	0008	11	0212	0171	51	82.5	057.4				33.0
07	344	1	1	085	0000	081060	007	14	00	01	0008	21	0084	0082	51	20.9	011.4				29.7
07	345	1	1	096	0000	081060	007	14	00	01	0008	21	0036	0042	31	04.9	039.6				14.7
07	350	1	1	107	0000	050661	007	14	00	01	0008	21	0090	0110	61	68.4	042.4				13.2
07	351	1	1	100	0000	050661	007	14	00	01	0008	21	0184	0113	41	60.4	038.6				2
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UMA SCORPIA

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
07 352	11 098	0000	0	50661	007	14	00	01	000	8	11	0174	0131	4	1	75.9	03	5.6		21.0	2	(E3)
07 353	11 102	0000	0	50661	007	14	00	01	000	8	11	0206	0154	6	1	72.9	04	0.9		26.4	2	(E3)
07 354	11 105	0000	0	50661	007	14	00	01	000	8	21	0105	0091	6	1	75.6	03	0.6		16.5	1	(E3)
07 355	11 099	0000	0	50661	007	14	00	01	000	8	21	0169	0118	4	1	73.2	03	0.6		23.1	2	(E2) (E5)
07 356	11 103	0000	0	50661	007	14	00	01	000	8	11	0222	0157	6	1	81.2	04	4.2		33.0	2	(E3) (E5)
07 357	11 112	0000	0	50661	007	14	00	01	000	8	11	0212	0150	6	2	16.2	04	8.2		16.5		(E4)
07 358	11 098	0000	0	50661	007	14	00	01	000	8	11	0158	0127	6	1	47.2	03	1.0				
07 359	11 099	0000	0	50661	007	14	00	01	000	8	11	0109	0089	6	1	76.2	04	0.9				
07 360	11 103	0000	0	50661	007	14	00	01	000	8	11	0157	0184	6	1	96.7	03	1.7		33.0	2	(E4)
07 361	11 096	0000	0	50661	007	14	00	01	000	8	21	0013	0015	9	0	16.0				40.9	1	(E1)

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
12	355	17	8-16	11-14	15	-	20	21-23	24-27	28-32	33-34	35-36	37-39	40-42	43-44	45-49	49-49	52-53	53-55	56-58	59-60
07	362	11	098	0000	0	50661	007	14	00	01	0008	11	0146	0	118	61	75.9	0.9	1.9	26.4	1
07	363	11	102	0000	0	50661	007	14	00	01	0008	21	0127	0	089	52	13.5	0.5	4.8	16.5	1
07	364	11	104	0000	0	50661	007	14	00	01	0008	11	0158	0	120	61	151.8	0.3	4.6	36.3	2
07	381	11	101	0000	0	61561	007	14	00	01	0008	21	0013	0	0385	11	11.9	0.5	0.1	26.4	1
07	382	11	083	0830	0	61561	007	14	00	01	0008	21	0003	0	0045	0	61.8			13.2	1
07	388	11	098	0000	0	61661	007	14	00	01	0008	11	0066	0	061	61	40.9	0.2	8.7	16.5	1
07	389	11	101	0000	0	61661	007	14	00	01	0008	11	0085	0	089	61	42.7	0.2	5.4	35	01
07	392	11	101	0000	0	61661	007	14	00	01	0008	11	0091	0	096	61	34.6	0.2	9.7	26.4	1
07	393	11	102	0000	0	61661	007	14	00	01	0008	11	0042	0	099	61	13.5	0.2	7.1	23.1	1
07	395	11	104	0000	0	61861	007	14	00	01	0008	22	0009	0	008	80	62.7			14.7	
																					(E2)
																					(E2)
																					(E3)
																					(E3)
																					(E2)
																					(E1)
																					(E1)
																					(E4)
																					(E5)
																					(E4) (E5)

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	396	11	092	0000	0	71861	007	14	00	01	000	822	0004	0	0057	810	57.5				08.4	1
07	397	11	105	0000	0	71861	007	14	00	01	000	811	0055	0	0527	1188	7.1				19.8	1
07	399	11	103	0000	0	71861	007	14	00	01	000	821	0013	0	0167						14.5	1
07	403	11	110	0000	0	71861	007	14	00	01	000	821	0028	0	0227						13.2	1
07	404	11	093	0000	0	71861	007	14	00	01	000	821	0007	0	0108							1
07	405	11	092	0000	0	71861	007	14	00	01	000	821	0007	0	0078						19.8	1
07	410	11	103	0000	0	81561	007	14	00	01	000	822	0010	0	0087						21.7	1
07	411	12	077	0000	0	81561	007	14	00	01	000	822	0002	0	002							
07	412	12	074	0000	0	81561	007	14	00	01	000	822	0002	0	003						13.2	1
07	414	11	096	0000	0	81561	007	14	00	01	000	822	0008	0	0088						19.8	1

(E1)

(7+) (E1)

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Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 4115	11 096	0000	0 81561	007	14 00	01 000	822	0010	0 0297											12.4	(7+) (E1)
07 416	11 093	0000	0 81561	007	14 00	01 000	822	0007	0 008	80	13.1									16.8	(E1)
07 417	11 103	0000	0 81561	007	14 00	01 000	822	0016	0 016	80	16.2										1
07 418	11 105	0000	0 81561	007	14 00	01 000	822	0019	0 019	7										13.2	(7+) (E1)
07 419	11 098	0000	0 81561	007	14 00	01 000	822	0013	0 011	80	15.5									23.1	(E1)
07 420	11 097	0000	0 81561	007	14 00	01 000	822	0020	0 026	7										19.8	(7+) (E1)
07 426	12 073	0000	0 91461	007	14 00	01 000	821	0002	0 002	60	39.3									10.5	(E1)
07 428	11 083	0000	0 91461	007	14 00	01 000	822	0007	0 007	90	72.3										1
07 429	11 093	0000	0 91461	007	14 00	01 000	821	0013	0 011	90	87.4									19.8	(E1) (E3)
07 430	11 099	0000	0 91461	007	14 00	01 000	821	0012	0 015											13.2	(E1)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

UMA SCOTARIA																								
12	3-5	67	8-10	11-14	15	20	21-23	24	27	28-29	30-32	33-34	35-36	37-40	41-44	45-48	49	52	53-55	56-58	59	60		
Species No.		Animal No.		Sex	Age	S-V length	Time	Date		Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	4341	11	104	0000	0	93061	007	14	00	01	000	822	0035	0	0429	112.4							19.8	(E1)
07	4351	11	103	0000	1	01261	007	14	00	01	000	822	20008	0	010									
07	436	12	078	1230	1	01261	007	14	00	01	000	822	20002	0	002	0040.3								
07	437	11	082	0000	1	01261	007	14	00	01	000	822	20007	0	008	9068.6							16.5	(E1)
07	444	12	076	0000	1	01261	007	14	00	01	000	822	20002	0	005	0058.7							09.9	(E1)
07	445	11	084	0000	1	01261	007	14	00	01	000	822	20027	0	021	13119.5	0.3	2.3				09.9	(E1)	
07	446	11	102	0000	1	01261	007	14	00	01	000	822	20020	0	021	9127.4							14.7	(E1)
07	447	11	095	0000	1	01261	007	14	00	01	000	822	20013	0	024	9109.6							29.7	(E1)
07	448	11	085	0000	1	01261	007	14	00	01	000	822	20008	0	013	9068.3							13.2	(E1)
07	449	11	081	0000	1	01261	007	14	00	01	000	822	20005	0	006	9028.2							16.5	(E1)

Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	450	1	1	086	0000	1	01261	007	14	60	01	000	8	22	00007	00007	9	0.6	0.3				
07	451	1	2	079	0000	1	01261	007	14	00	01	000	8	22	00008	00008	9	0.8	0.2			07.9	
07	452	1	1	085	0000	1	01261	007	14	00	01	000	8	22	00027	00020	9	1.0	7.2			1	
07	453	1	1	100	0000	1	01261	007	14	00	01	000	8	22	00150	013	9	1.2	0			1	
07	454	1	1	081	0000	1	01261	007	14	00	01	000	8	22	00004	0005	0	5.1				13.2	
07	455	1	2	075	0000	1	01261	007	14	00	01	000	8	22	00007	0008	9	0.7	0			1	
07	458	1	1	108	0000	1	01261	007	14	00	01	000	8	22	0015	0012	3	1.2	3.4	04	6.2	1	
07	459	1	1	083	0000	1	01261	007	14	00	01	000	8	22	0041	0034	9	0.75	4			09.9	
07	460	1	1	080	0820	0	42362	007	14	00	01	000	0	22	00071	0059	0	1.6	4.0	04	8.5	1	
07	464	1	1	106	0900	0	42362	007	14	00	01	370	01	1	0198	0246	6	2	04.9	05	2.5	2	

UWA SCOLIMIA																								
12	3-5	6-7	8-10	11-14	15-20	21-23	24-27	28-32	33-34	35-36	37-39	40-43	44-45	46-49	50-52	53-55	56-58	59-60						
Species No.		Animal No.		Sex	Age	S-V length	Time	Date		Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	466	11	102	0920	0	42362	007	14	00	01	37.5	011	0229	0	198								39.0	(E2)
07	467	11	097	1020	0	42362	007	14	00	01	000	111	0158	0	149	6							26.4	(E3)
07	468	11	097	1035	0	42362	007	14	00	01	000	011	0128	0	135	61	50.8	416.5					33.0	(E2)(E3)
07	469	11	090	1035	0	42362	007	14	00	01	000	111	0121	0	110	61	60.0	1031.0					30.3	(E3)
07	471	11	053	1120	0	42362	007	14	00	01	39.5	022	0035	0	024	61	23.4	038.3					08.4	(E0)
07	472	11	082	1150	0	42362	007	14	00	01	39.6	022	0060	0	059	61	55.4	0415.9					19.8	(E1)
07	474	11	092	0000	0	42362	007	14	00	01	000	011	0179	0	139	61	66.3	043.2					16.5	(E3)
07	476	11	085	0000	0	42362	007	14	00	01	000	111	0120	0	096	61	43.7	037.0					23.1	(E3)
07	477	12	070	0000	0	50662	007	14	60	01	000	022	0001	0	001									
07	478	11	097	0000	0	50662	067	14	00	01	000	011	0223	0	200	5								

UNA SCOPARIA

UMA SCOPARIA																								
Species No.		Animal No.		Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells	
07	479	11	103	0000	0	50662	007	14	00	01	000	131	0153	0169	61	80.8	03	1.0			36.3	1	(E3)	
07	483	11	102	0000	0	50662	007	14	00	01	000	211	0220	0249	62	17.5	04	5.9			26.4	2	(E3)	
07	484	11	097	0000	0	50662	007	14	00	01	000	111	0193	0203	61	80.5	03	8.3			19.8	2	(E4)	
07	485	11	100	0000	0	50662	007	14	00	01	000	111	0193	0203	62	04.9	04	3.9			36.3	2	(E3)	
07	489	11	102	0000	0	50662	007	14	00	01	000	111	0179	0249	62	02.6	03	9.6			29.7	1	(E3)	
07	491	11	103	0000	0	50662	007	14	00	01	000	111	0261	0217	6							2		
07	492	11	104	0000	0	50662	007	14	00	01	000	111	0252	0244	61	53.8	02	2.8				1		
07	495	11	103	0000	0	50662	007	14	00	01	000	111	0288	0263	61	92.1	04	1.6				13.2	2	(E4)
07	500	11	101	0000	0	50662	007	14	00	01	000	111	0149	0184	62	01.3	04	4.9				36.3	1	(E4)
07	502	11	084	0000	0	50662	007	14	00	01	000	011	0092	0076	6							16.5	1	(E4)

12	Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07	503	11053	1	1053	0000	0	50662	007	14	0001	000	02	2	0047	0	039	61	85.5	0.5	0.8	23	1
07	504	11090	1	1090	0000	0	50662	007	14	0001	000	01	1	0115	0	110	61	85.5	0.5	0.8	23	1
07	506	11097	1	1097	0000	0	60562	007	14	0001	37.5	01	1	0092	0	105	61	60.0	0.3	2.0	33	0
07	511	11106	1	1106	0920	0	60562	007	14	0001	38.0	01	1	0235	0	235	61	65.7	0.4	2.9	33	0
07	512	11080	1	1080	0950	0	60562	007	14	0001	000	02	2	0003	0	003						
07	513	12079	1	2079	1035	0	60562	007	14	0001	40.2	02	2	0007	0	005						
07	514	11111	1	1111	1040	0	60562	007	14	0001	35.8	01	1	0128	0	107	61	69.6	0.3	6.4	29	7
07	515	111081	1	11081	1050	0	60562	007	14	0001	38.4	02	2	0003	0	003						
07	516	11098	1	11098	1135	0	60562	007	14	0001	37.0	01	1	0096	0	111	61	47.8	0.2	6.1	33	0
07	517	111085	1	11085	1150	0	60562	007	14	0001	40.8	02	2	0003	0	005	61	18.1	0.3	4.6	16	5

(E2)

(E3)

(E4)

(E5)

(E5)

(E4)

ILMA SCOPARIA

[illegible]

Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis volume	Rt. testis volume	Condition	Sem. tubule diameter	Sem. epithelial height	Interstitial cell nuclear diam.	Epid. epith. height	Sertoli cells
07 535	11088	0840	071762	007	14	0001	39.0	0.22	0002	0.003	86	55.8									1
07 536	11085	0850	071762	007	14	0001	37.6	0.22	0005	0.004											1
07 537	11080	0755	071762	007	14	0001	41.8	0.22	0002	0.002	0.048										1
07 539	11083	0800	071762	007	14	0001	38.5	0.22	0001	0.003											1
07 541	11095	0830	071762	007	14	0001	41.5	0.22	0010	0.013	86	75.6									1
07 542	11087	0845	071762	007	14	0001	39.2	0.22	0007	0.006											1
07 543	11100	0850	071762	007	14	0001	38.8	0.22	0020	0.028	7										1
07 545	11090	0855	071762	007	14	0001	32.5	0.11	0041	0.035	7	109.6	0.21.8								1
07 546	11098	0915	071762	007	14	0001	40.9	0.11	0047	0.041	7	95.7									1
07 549	11082	1030	071762	007	14	0001	43.8	0.22	0002	0.003	0	54.4									1

(7+) (E1)

(E3)

(7+) (E2)

(E1)

(E1)

UMA SCOPARIA

UMA SCOPARIA																													
		Species No.	Animal No.	Sex	Age	S-V length	Time	Date	Locality	Elevation	Habitat	Temperature	Breeding Color	Sperm	Epididymis	Left testis	volume	Rt. testis	volume	Condition	Sem. tubule	diameter	Sem. epithelial	height	Interstitial cell	nuclear diam.	Epid. epith.	height	Sertoli cells
12	3-5	67	8-10	11	1	080	0755	0	81062	007	14	00	01	3	7.6	022	0002	0	004										
07	5571	11	1	080	0755	0	81062	007	14	00	01	3	7.6	022	0002	0	004												
07	560	11	1	089	6900	0	81062	007	14	00	01	0	00	022	0007	0	007	9	0640										
07	561	11	1	080	0825	0	81062	007	14	00	01	0	00	022	0004	0	005	8	0	61.7									
07	562	11	1	084	0925	0	81062	007	14	00	01	4	3.4	012	0006	0	008	9	0	81.2									
07	566	11	1	092	0950	0	81062	007	14	00	01	3	6.4	022	0008	0	008	8	0	77.6									
07	568	11	1	081	1005	0	81062	007	14	00	01	0	00	022	0002	0	002			0	54.1								
07	569	11	1	096	1010	0	81062	007	14	00	01	0	00	022	0008	0	011	8	0	70.6									
07	570	11	1	089	1015	0	81062	007	14	00	01	3	8.4	022	0005	0	005	8	0	62.0									
07	571	11	1	098	1010	0	81062	007	14	00	01	0	00	12	0015	0	019	8	0	80.5									
07	576	11	1	087	0950	0	91162	007	14	00	01	0	00	022	0006	0	004	9	0	70.6									

	Species No.
	Animal No.
	Sex
	Age
	S-V length
	Time
	Date
	Locality
	Elevation
	Habitat
	Temperature
	Breeding Color
	Sperm
	Epididymis
	Left testis volume
	Rt. testis volume
	Condition
	Sem. tubule diameter
	Sem. epithelial height
	Interstitial cell nuclear diam.
	Epid. epith. height
	Sertoli cells

23.1

R-371

STEEL BACKPLATE

S. E. & M. VERNON, INC.

U. S. A.

